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JUNE 15, 1918.

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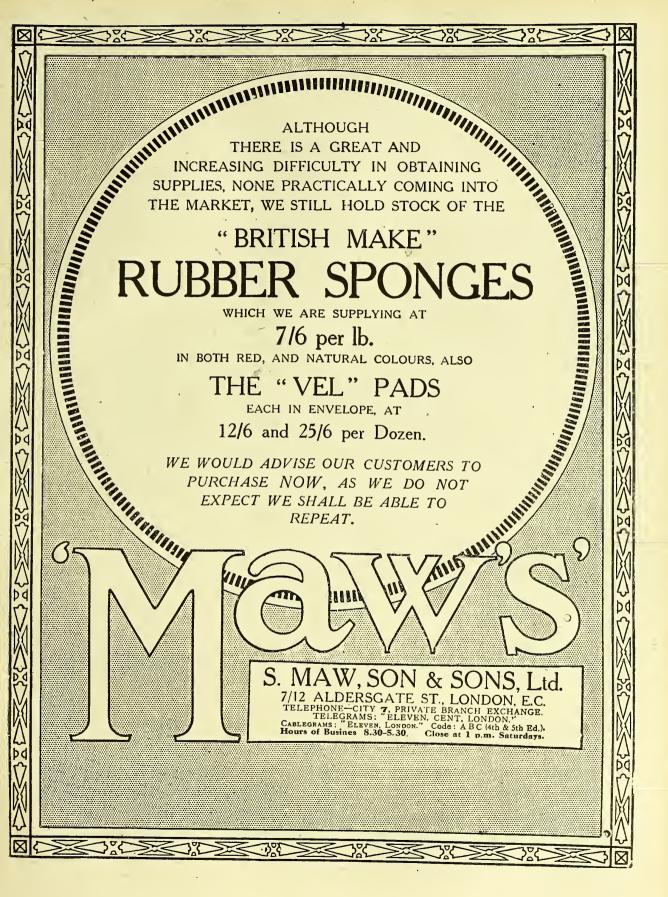
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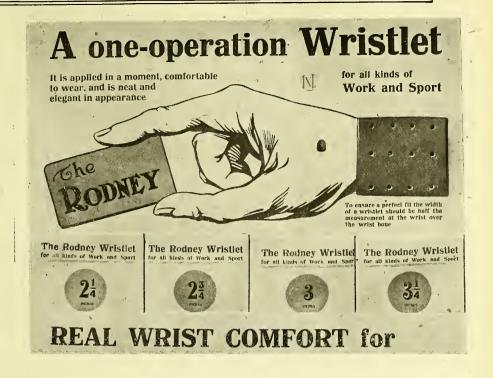
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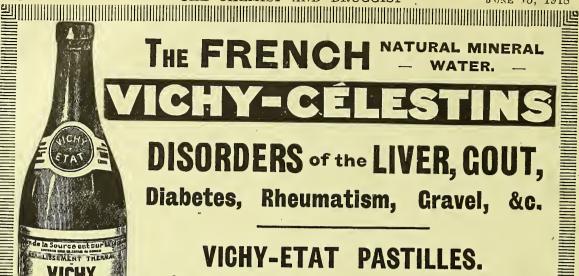
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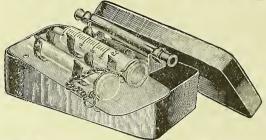
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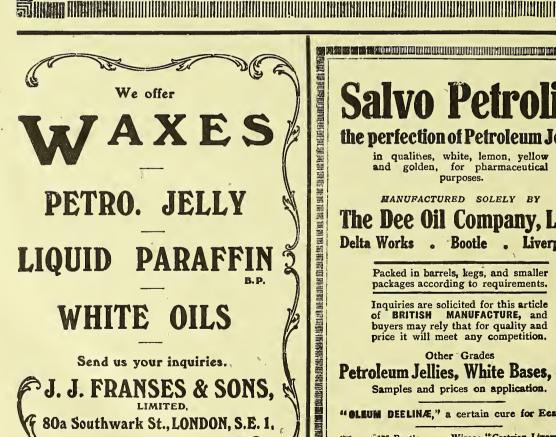
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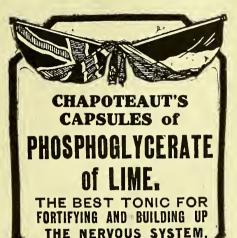
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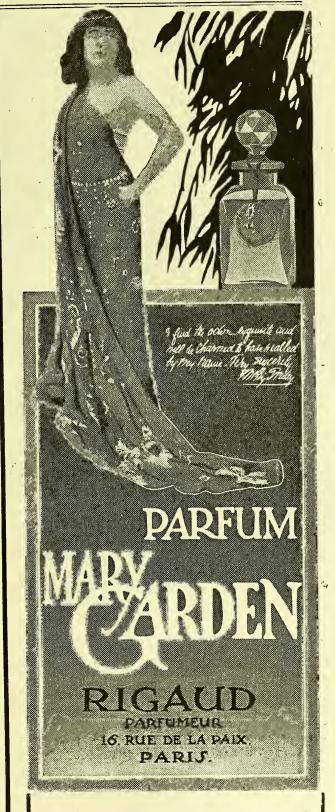
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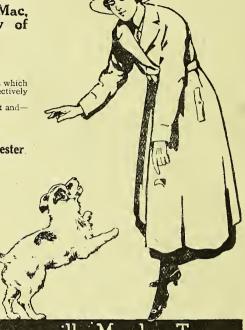
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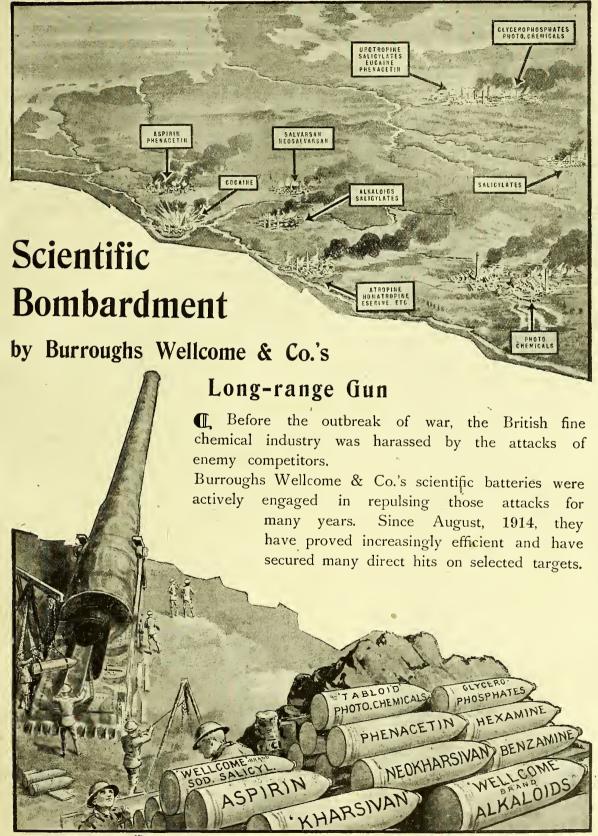
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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wodnesday of the week before the meetings, etc., occur.

#### Sunday, June 16.

United Arts Volunteer Rifles. "D" Company (Pharmacists). Field day at Esher. Parade at Waterloo Station 9.40 A.M. (June 18 at 8.30 P.M., N.C.O.'s class at Imperial College Union, South Kensington, London, S.W.; June 19 and 20 at 3 P.M., platoon parades.)

#### Wednesday, June 19.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 3 P.M. Annual general meeting of the members residing in Scotland, and election of Executive.

Drug-trade Appeal Fund. St. Bride Institute, Ludgate Circ London, E.C., at 3 P.M. Annual meeting of the subscribers. Ludgate Circus,

#### Thursday, June 20.

th London Pharmacists' Association. Progressive Pharmacy Club, Arnndel Hotel, Victoria Embankment, W.C., at 7.30 r.M. Annual reunion, concert, and light refreshments. Tickets (1s. each) from Mr. Herbert Skinner, Hon. Secretary, G.N.C. Hospital, N. 7.

West Ham, East Ham, and Metropolitan Essex Association of Pharmacists. Ramble to Chilverditch and Thornden Park. Train leaves Plaistow at 2.44 P.M.

### European War News.

Import and Export Notices.

PORT OF LONDON.—The Port and Transit Executive Committee of the Ministry of Shipping has made an order regulating export traffic from the Port of London. Under these regulations, which come into force on July 1, and affect exports for shipment foreign from the Port of London, other than exports for shipment by Channel services, North American services, South American services, or Far East services, no export cargo shall be sent to or received in London for foreign shipment unless space for such cargo has been previously booked with the steamship line or its agents, and the consignor must certify to the railway com-rany on handing over the goods for rail carriage to London that not only has the pink shipping note been lodged, but that space has been booked with the steamship line for such

cargo in the manner referred to.

UNITED KINGDOM.—The "London Gazette" (June 11) an-United Kingdom.—The "London Gazette" (June 11) announces the following alterations in the list of prohibited exports:—Headings deleted: (B) Acetanilide; (B) antimony, sulphides and oxides of; (C) araroba or Goa powder; (B) barium sulphate; (C) chrysarobin; (B) gentian-root; (B) hexamethylenetetramine (urotropin) and its compounds and preparations; (B) hydrobromic acid; (C) liquorice roots and juice; (B) nux vomica and its preparations; (B) mustard. Headings added: (A) Acetanilide; (A) aconite-root; (A) ajowan-seeds; (A) antimony, sulphides and oxides of, and mixtures containing sulphides or oxides of antimony; (A) araroba or Goa powder; (A) barium sulphiate; (A) calumba-root; (A) catechu; (A) chrysarobin; (A) gentian-root; (A) hexamethylenetetraminc (urotropine) and its compounds and preparations; (A) hydrobromic acid; (A) liquorice root and juice: (A) nux vomica; (B) nux vomica, preparations of; (A) quassia-wood; (A) mustard.

UNITED STATES.—The War Trade Board has made an announcement to the effect that United States Consuls in any

United States.—The War Trade Board has made an announcement to the effect that United States Consuls in any part of the world may not sign Consular invoices until the permission to import is evidenced by possession of a licence issued by the War Trade Board. Consuls must have submitted to them the number of the import licence granted for the shipment, and without this no invoices may be signed. In addition to this, it will probably be necessary for exporters to secure from the various war missions approval of any shipments intended for their respective countries, and this permission must be secured before application to export is made to the War Trade Board.

Trade Board.

#### Personalia.

SERGEANT J. W. SEYMOUR, Machine Gun Corps, is reported missing. In civil life he was with Joseph Crosfield & Sons, Ltd., Warrington.

PRIVATE THOMAS CATTERALL, South Lancashire Regiment, is officially reported missing. In civil life he was with Joseph Crosfield & Sons, Ltd., Warrington.

PRIVATE T. WOODS, Cheshire Regiment, previously reported missing, is a prisoner of war. In civil life he was with W. Parkinson & Son, wholesale druggists, Preston, (Lanes) (Lancs).

LIEUTENANT JOSEPH BOWEN has been awarded the Military Cross for gallantry. Lieutenant Bowen is the youngest son of the late Mr. Joseph W. Bowen, chemist and druggist, Criccieth.

LANCE-CORPORAL R. S. McInnes, Highland Light Infantry, has been wounded on service. In civil life he was an assistant with Mr. J. D. Duncan, chemist and druggist, Union Street, Aberdeen.

PRIVATE SAMUEL E. FLETCHER, Grenadier Guards, is officially reported missing. Private Fletcher, who is the son of Mr. Samuel Fletcher, chemist and druggist, Parker Lane, Burnley, saw service in the South African War.

LIEUTENANT W. C. B. DALY has been wounded, and is at present recuperating in London. Licutenant Daly is, in civil life, the Australian representative of F. Schutze & Co., Ltd., druggists' sundricsmen, Black Bull Works, London, N.

PRIVATE CLIFFORD WADDINGTON, East Lancashire Regiment, is reported missing. Prior to joining up in August 1916, he was with R. Parkinson & Sons, wholesale druggists, Burnley. Four of his brothers are serving with the Colours.

MR. WILLIAM P. EVANS (Evans Sons Lescher & Webb, Ltd.) has received a letter from his son, Lieutenant S. Evans, who was recently wounded in France (C. & D., June 8, p. 34), stating that he is progressing very favour-

PRIVATE GERALD H. GUTHEIE, Royal Scots, is reported dangerously wounded. Private Guthrie is a son of Mr.

A. D. Guthrie, chemist and druggist, Ferry Road, Leith, another of whose sons is "missing" (C. & D., May 11,

CAPTAIN COLIN C. FRYE, F.I.C., has been promoted brevet-major for services rendered during the war. Major Frye is well known in the wholesale drug and chemical trade as Assistant-Director of the Acid Supplies Branch, Ministry of Munitions.

PRIVATE ROBERT G. CROSSLING, R.A.M.C., previously reported missing (C. & D., April 27, p. 34), is a prisoner of war. In a letter to his father, Mr. Frank Crossling, chemist and druggist, Justice Street, Aberdeen, he states that he is working in a German hospital.

SECOND-LIEUTENANT R. W. WREN, South Lancashire Regi-SECOND-LIEUTENANT R. W. WREN, South Lancashire Regiment, has been wounded on service, and is in hospital in France. Second-Lieutenant Wren, who is the son of Mr. Richard C. Wren, F.L.S. (Potter & Clarke, Ltd.), received his commission last year (C. & D., 1917, p. 665).

Lance-Corporal Evan S. Williams, R.E., has been awarded the Military Medal for distinguished services in the field. Prior to enlistment, Lance-Corporal Evans, who qualified in 1915, was manager of the Boulevard branch of Lewis Wing, Ltd., chemists, Weston-super-Mare.

PRIVATE GILBERT REED HORNBY, Canadian Light Horse, has been missing since March 30. Private Hornby is the youngest son of Mr. W. T. Hornby, chemist and druggist, manager for W. A. Wharram, Ltd., chemists, Domestic Street, Leeds, another of whose sons has not been heard of for two years.

MAJOR (ACTING LIEUT. COL.) F. L. PARKIN, West Riding Regiment, who has been awarded the D.S.O. for distinguished service in the field, is the elder son of Mr. Charles Parkin, chemist and druggist, Market Place, Doncaster. Major Parkin is now home on leave, following an attack of trench fever. He has been detailed for home service after close on four years' service at the Front.

SECOND-LIEUTENANT CHARLES GORDON BURNIP, Royal Air Force, has arrived home on leave after three years' active Force, has arrived home on leave after three years' active service. Second-Lieutenant Burnip, who is a native of Eye, Suffolk, served his apprenticeship there with the late Mr. J. B. Aldrich, chemist and druggist, and was subsequently with Mr. W. R. Cordwell, chemist and druggist. Halesworth. He joined the Colours at the age of seventeen, and received his commission last September. Two of his brothers are also on active service.

#### Miscellaneous.

Water Ices.—An Order is to be issued by the Ministry of Food giving permission for the making of water ices, on condition that no milk or sugar is used in their manufacture.

APPROVED FIRMS IN CHINA.—Among the additions to the list of persons to whom articles to be exported to China may be consigned are The Lazard Godchaux Co., Far East. Shanghai, and Saiseido Japanese Pharmacy, Shanghai. CARNAUBA WAX.—The Secretary of the War Office announces that the notice given by the Army Council on July 11, 1917, respecting stocks of carnauba wax is cancelled. The notice referred to was published in the C. & D. of July 21, 1917, and was to the effect that the Army Council was about to take possession of all stocks of carnauba wax, excepting stocks of less than 2 tons, that were then in the United Kingdom or subsequently arrived. The notice of cancellation is dated May 30.

#### Military Tribunals' Decisions.

SINCE OUR LAST (REPORT the following decisions have been

ASHTEAD.-Mr. B. C. Browell, chemist and druggist, was

exempted for three months.

Colchester.—Mr. Ernest H. C. Bennett, chemist and druggist, assistant with Bevan & Son, chemists, was conditionally exempted.

tionally exempted.
GREAT MISSENDEN.—Mr. G. L. W. Coombes, chemist and druggist, was exempted for three months.
HAMMERSMITH.—On review, the following exemptions were granted: Mr. J. D. Penberthy, chemist and druggist, West London Hospital, three months; Mr. J. H. Gover, chemist and druggist, assistant with Mr. Thomas Strode, chemist, Askew Road, one month: Mr. W. Watts, assistant with Squire & Co., chemists, Uxbridge Road, three months, with Volunteer condition. During the hearing of Mr. Gover's case a member of the Tribunal remarked that there were too many chemists' shops, "like public-houses," and thought that "they would be better without them."

(From the." London Gazette," June 7, 1918.)

#### ARMY COUNCIL ORDER.

Drugs for the Troops.

Whereas by an Order dated the 11th day of May, 1916, the Army Council, under the powers conferred upon them by the Defence of the Realm Regulations, prohibited the sale or supply of certain drugs to or for any member of His Majesty's Forces except subject to certain conditions. Now the Army Council, in pursuance of the said powers and all other powers them thereunto enabling, hereby revoke the said Order of the 11th day of May, 1916, and Order as

No person shall sell, give, procure, or supply any of the drugs specified in the Schedule to this Order (hereinafter called the drug) to any member of His Majesty's Forces not being a registered medical practitioner or registered dentist or registered veterinary surgeon except in accord-

ance with the following conditions:

(a) The drug must be supplied on and in accordance with a written prescription of a registered medical practitioner or registered dentist or registered veterinary surgeon, and dispensed by a person legally authorised to dispense such prescription.

(b) The prescription must be dated and signed by the registered medical practitioner or registered dentist or registered veterinary surgeon with his full name and address and qualifications, and marked with the words "Not to be repeated," and must specify the total amount of the drug to be supplied on the prescription, except that where the medicine to be supplied on the prescription is a proprietary medicine, it shall be sufficient to state the amount of the medicine to be supplied.

(c) The drug shall not be supplied more than once on the

(c) The drug shall not be supplied more than once on the same prescription.

(d) The prescription shall be marked with the date on which it is dispensed and shall be retained by the person, firm, or body corporate by whom the prescription is dispensed, and shall be kept on the premises where it is dispensed, and shall be open to inspection by any person authorised for the purpose by a Secretary of State.

(e) The ingredients of every prescription so dispensed, with the name and address of the person to whom they are sold or delivered, shall be entered in a book specially set apart for this sole purpose, and kept on the premises where the prescription is dispensed, which book shall be open to inspection by any person authorised for the purpose by a Secretary of State.

By command of the Army Council.

By command of the Army Council.

NOTE.—This Order does not supersede or modify the requirements of Defence of the Realm Regulation 40% in regard to opium or cocaine, and those requirements must

also be complied with.

But entries of sales of cocaine to or for members of His Majesty's Forces may be made in the cocaine book required to be kept under Defence of the Realm Regulation 40B, provided the entries aforesaid are distinctively marked therein.

SCHEDULE.

Barbitone. Benzamine Lactate.
Benzamine Hydrochloride.

Jindian Hemp. Chloral Hydrate. Coca.

Codeine. Opium. Morphine.

Sulphonal and its Homologues, Cocaine. and any salts, preparations, derivatives, or admixtures prepared from or with any of the above-mentioned drugs.

War Office, June 5, 1918.

#### Gazette.

#### Bankruptcy Acts.

RECEIVING ORDERS.

SIMITCH, S., 98 Great Tower Street, London, E.C., and 67 New Oxford Street, W.C., trading as S. Simitch & Co., merchant.

THORKE, H. S., 5 Finkle Street, Selby, lately of 98 Sackville Street, Barnsley, and 26 Finkle Street, Selby, chemist and photographer.

THE SMALLER GERMAN SOAP-MAKERS have formed a union to protect their interests, which they feel are not being sufficiently looked after by the Committee of Supervision, chiefly formed of the larger makers whose works are permitted to remain in operation.

#### English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Guardians' Affairs.

Miss B. Ricketts has been appointed dispenser at the

Miss B. Ricketts has been appointed dispenser at the Islington Infirmary.

At a meeting of the Derby Guardians on June 11, Mr. Arthur Judge, chemist and druggist, was appointed dispenser, in succession to the late Mr. M. Shadford, chemist and druggist, at a salary of 180*l*. per annum, and granted time in which to dispose of his business. An amendment to advertise the post met with no support but that of the mover and seconder.

Birmingham.

Silvered farthings have made their appearance in Birming-

The 1l. shares of Southall Bros. & Barclay, Ltd., are quoted at 21. 9s.

Five pounds reward is being offered for suitable information of the whereabouts of the window-breaking gang (C. & D., April 6, p. 35).

The late Dr. A. H. Carter, well known to pharmacists as a consultant and an occasional visitor to the Birmingham Pharmaceutical Association, left estate valued at 21,156.

A woman summoned lately for not sending her daughter to school said that she did not do like her neighbours, who cut their children's hair and painted their heads to look like ringworm!

"Medico" of the "Birmingham Weekly News" states: "Medico" of the "Birmingnam weekly News states: "I have known of a man over eighty years of age who took one teaspoonful of sodium bicarbonate three times a week for sixty years without apparent bad effects." Such records invite frivolous speculation.

Liverpool.

Much inconvenience is being caused to the wholesale trade by the wording of the official regulations concerning the supply of certain articles—for example, morphia—orders for which are, naturally, received from U.S. Red Cross doctors and dispensers who have hospitals in this country.

Much sympathy is being expressed with Mr. Humphreys-Jones (Liverpool School of Pharmacy), whose wife has had to enter a nursing home to undergo a serious operation. It will be remembered that a short time since Mr. and Mrs. Humphreys-Jones lost their only child (C. & D., April 6, p. 37) p. 37).

A number of the staff of Evans Sons Lescher & Webb, Ltd., took part in the official opening of a bowling green in Tue Brook, Liverpool, on June 8. Fine weather prevailed, and the attendance was very good. The President of the club, Mr. J. N. Evans, bowled the first wood, and declared the green open. Later, the members were entertained to tea in the club pavilion.

Manchester.

Condemnation of the dummy-teat, which is held to be the condemnation of the dummy-teal, which is need to be the starting-point of anæmia in children, is contained in a medical officer's report on the inspection of schoolchildren. Most chemists are experiencing a decline in the sale of soothers, due either to their increased cost or to the faculty's disfavour.

Votes by ballot at a recent meeting of industrial chemists held at the Manchester College of Technology showed a majority of one in favour of accepting the proposals of the Institute of Chemistry, and a large majority for the continuance of the British Association of Chemists as a separate organisation until its aims are reasonably earried out by the Institute. (See C. & D., June 1, p. 34; June 8, p. 36.)

A Manchester chemist, who lately received a traveller's advice-card in an open envelope stamped with a halfpenny stamp, is wondering why an ordinary postcard needs a

penny stamp.

penny stamp.

[This point was dealt with by question and answer in the House of Commons on May 30. In reply to a question, the scope of which comprised cards and unsealed envelopes, the Assistant Postmaster-General said: "The alterations in the postal rates to be introduced on June 3 involve no change in the ecaditions under which printed or partly printed documents may be sent at the inland book-rate, which will in future be known as the inland printed paper rate. A card complying with these conditions need not be enclosed in an envelope."—Ep.]

Sheffield.

A saccharin queue has been seen here during the past

Chemists, particularly on the Derbyshire side of the city, should be on the look-out for bad florins just now.

The proprietors of "Lestrol" are making special shows: Mr. W. B. Stather, Infirmary Road, has a very pleasing whole-window display of it.

The Commissioners' demands on pharmacy for Army

recruiting are somewhat in the nature of a bombshell, and threaten materially to deplete the pharmaceutical service.

A feeling exists, especially in the working-class districts, that chemists should agree not to supply anything under twopence—the more so as the working-classes are receiving very high wages.

The old firm of J. T. Dobb & Son has been turned into a private limited company. Unfortunately the owner, Mr. Thos. Dobb, Ph.C., has not been able to resume business since his severe illness.

Company Quartermaster-Sergeant J. Harris, R.E., has been awarded the D.C.M., after being twice previously mentioned in despatches. Prior to the war he was an assistant at the Union Dispensary.

#### Miscellaneous.

CONDITION ATTACHED TO WINE-LICENCE.—At Preston sions on June 6, a wine-licence was granted to Mr. W. R. Cameron, chemist and druggist, Dale Street, Accrington, on condition that he confines himself to the sale of medicated wines.

GOVERNMENT INFORMATION BUREAUX.—The first of the provincial Government Information Bureaux was opened at the establishment of Boots, Ltd., at 21 Union Street, Bath, on June 10. Similar kiosks in London having proved successful, it has been arranged to extend the scheme to eighteen provincial branches of Boots, Ltd.

ROMANCE OF PETROLEUM.—Sir Boverton Redwood, Bart, gave a discourse on "The Romance of Petroleum" at the Royal Institution, London, W., on June 7. The lecture was illustrated by models of the appliances used in procuring petroleum, and there was a large collection of samples of petroleum products from all parts of the world.

FIRES.—A fire broke out on June 10 in the oil-stores of Allen & Hanburys, Ltd., Bethnal Green. One of the hydrants with which the place is fitted was smartly got towork, and the outbreak was overcome.—On June 1, an outbreak occurred at the rear of the premises of Horrell & Goff, chemists, High Street, Erith. It was subdued beforemuch damage was done. much damage was done.

INQUESTS.—An inquest was held at Todmorden on June 11 on the body of Robert Barker (17), son of a confectioner, on the body of Robert Barker (17), son of a comectioner, who died after taking a headache-powder. A medical withness having expressed the opinion that the powder was the cause of death, the inquest was adjourned for an analysis of similar powders to be made.—Jane Winters, wife of a french-polisher, living in Bevenden Street, Hoxton, London, eommitted suicide with earbolic acid. Rationing difficulties were alleged to be her trouble.

DRUG-TRADE APPEAL FUND.—In the annual report which is to be submitted to the annual meeting of subscribers on June 19, the Trustees state that no appeal has been undertaken during the past year. The income from dividends was 344. 3s. 11d., and the expenditure 6l. 3s. 6d. The value of the assets is returned as 591l. 12s. 6d. The Trustees point out that by the conversion of 4k per The Trustees point out that by the conversion of 4½ percent. War Stock into 5 percent. Stock, both capital (at face-value) and income have been slightly increased.

IN THE COURTS.—At Marylebone Police Court, London, recently, a Canadian soldier named Gaumont was sentenced to two months' hard labour for the unlawful possession of safety-razors, perfumes, and other articles of a total value of 5t., taken from the window of Mr. Edward Courtenay, chemist and druggist, High Street, St. John's Wood, N.W.—At Bury, recently, two boys, aged fifteen and fourteen, were bound over for six months on a charge of stealing goods from the works of Mr. A. Ashworth, manufacturing chemist chemist.

MIDDAY CLOSING.—The Lancaster Pharmacists' Association was represented by Messrs. J. B. Shattock (Secretary). H. Bate (Treasurer), and R. T. Simpson at a Conference of the Lancaster Chamber of Trade held to discuss the question of dinner-hour closing. Mr. Shattock pointed out that three chemists held wine-licences, and they thought they would be compelled to remain open from 12 to 2.30 p.m. If that was so, it was not to be expected people would want to go twice for goods to a shop, and if any shops were open there would be reluctance on the part of others to close. Dinner-hour closing, however, was desirable in the interests of the "one-man business." Eventually it was decided to ascertain the views of all traders in the town. A scheme for earlier closing in winter is also under consideration. sideration.

#### Scottish News.

Chemists have for weeks past been besieged for films. Some have now posted up a netice: "No stock of photographic films.

A noticeable feature of the lists of new Scottish companies published in the Press is that in practically every list appear the names of Scottish chemists.

#### Election of Executive.

There will be a contested election this year for the Executive of the North British Branch of the Pharmaceutical Society. Mr. W. L. Currie having been elected President of the Pharmaceutical Society is ex-officio a member of the Executive, as are the Vice-President (Mr. E. T. Neathercoat) and Mr. Thomas Guthrie. This leaves eighteen members to be elected. The following is the list of members' resident in Scatland who have heavy noninated: resident in Scotland who have been nominated:

Sers to be elected. The following is the list of members resident in Scotland who have been nominated:

Arthur, Harvey Phillips, 361 Victoria Road, Crosshill, Glasgow. Boag, Margaret Grant, 19 Brunton Terrace, Edinburgh. Brown, William Wilson, 26 Haymarket Terrace, Edinburgh. Clark, Alexander John, 94 Morningside Road, Edinburgh. Cowie, Ellen, 19 Stirling Street, Denny.
Cowie, William Beaverly, 26 Clyde Street, Edinburgh.
Currie, Archibald, 102 Ferry Road, Leith.
Drummond, Robert Gordon, 95 High Street, Falkirk.
Fisher, John Hutchison, 80 High Street, Dunfermline.
Forbes, John'Johnstone, 7 Scott Street, Perth.
Giles, William, 123 Crown Street, Aberdeen.
Gilmour, Andrew, 67 High Street, Burntisland.
Gilmour, Andrew, 67 High Street, Burntisland.
Gilmour, David, 40 Bridge Street, Dunfermline.
Glass, William Stephen, 219 Morningside Road, Edinburgh.
Harley, David, 121 High Street, Musselburgh.
Jack, James, 102 High Street, Ausselburgh.
Mackenzie, Thomas, 1 High Street, Inverness.
McMillan, Anthony, 623 New City Road, Glasgow.
Marshall, Robert, South Bridge Street, Grangemouth.
Mitchell, James Blackwood, 58 South Clerk Street, Edinburgh.
Mitchell, Nellie Laing, 6 Belvidere Crescent, Aberdeen.
Muir, John, 7 Crighton Place, Leith Walk, Edinburgh.
Murray, Alexander, 255 Albert Road, Pollokshields, Glasgow.
Nesbit, James, 236 High Street, Portobello.
Nisbet, Peter, 3 Duke Street, Leith.
Ramsay, John Henry, 16 Woodcroft Avenue, Broomhill, Glasgow.
Spence, Alexander, 43 High Street (West), Leslie.
Storrar, David, 228 High Street, Kirkcaldy.
Thomson, John Hutchison, 102 High Street, Haddington.

Abordeen.

#### Aberdeen.

As the result of experiments, paper is being made at the As the result of experiments, paper is being made at the Donside Mills from the following materials: Sawdust, 35 per cent.; wood-pulp, 35 per cent.; waste-paper, etc., 30 per cent. It appears that the attention of Mr. Strachan, a Scottish chemist, was first drawn to the matter by the examination of a book made in Bermondsey in 1810 from sawdust-paper; it occurred to him that sawdust was as suitable for the purpose now as in 1810, and he persuaded others to adopt his view.

#### Edinburgh.

Several chemists, on account of dwindling stocks, have ceased selling olive oil.

Some of the big drapery firms are still pushing the sale of toilet-soap. One house is advertising tooth-brushes at  $4\frac{1}{2}d$ , each.

Conflicting rumours of imminent happenings to men of certain ages are being retailed with sorrow or joy, according to circumstances.

The Rev. John Anderson, chemist and druggist, and the Rev. George Jack (proprietor of "Helics") have returned from their Y.M.C.A. work in France.

Cresylic acid, turpentine, and vaseline ("quality and description not guaranteed") are among the goods advertised to be sold by tender by order of the Customs and Excise authorities.

The following wholesale firms will be closed all day on Monday, June 24: Harkness. Beaumont & Co.; John Mackay & Co., Ltd.; Pinkerton, Gibson & Co.; Raimes, Clark & Co., Ltd.; and T. & H. Smith, Ltd.

The Committee of the Edinburgh Chemists', Assistants', and Apprentices' Association have arranged botanical excursions to Colinton, Blackford Hill, and Inveresk. Further particulars may be obtained from the Hon. Secretary, 19 Brunton Terrace.

The Deputy Warden of the Standards has been visiting Edinburgh in connection with the quinquennial verification, and the local authorities, together with those of Glasgow and of Leith, have, it is understood, discussed with him the present scale of charges prescribed by his Department. Glasgow.

Referring to the election of Mr. W. L. Currie as President of the Pharmaceutical Society, the "Herald" states: "In this column a few weeks ago it was suggested that in the event of the retirement of the then President it would be a fitting thing to choose a Scottish successor to the chair, especially in view of the large share contributed by Scottish pharmacists to the progress of pharmacy; and there is evidence that this suggestion influenced the choice of the Council, since it was brought to their notice and duly emphasised in the columns of the pharmaceutical Press. It is generally acknowledged that the practice of pharmacy in Scotlard is maintained at a higher level than in England and Wales, and it is not unreasonable to hope that with and Wales, and it is not unreasonable to hope that with a Scottish pharmacist at the head of the craft and another Scottish pharmacist as editor of the Society's official organ the standard of English pharmacy may be improved."

#### Irish News.

#### Brevities.

Mr. John Hall, Ph.C., has opened a pharmacy at 13 Dunluce Street, Larne. Mr. Hall was formerly with Mr. A. Wilson, Ph.C., Albert Bridge Road, Belfast, as manager.

Mr. Jas. Guthrie, R.D., Belfast, has sold his branch shop at 283 Newtownards Road to Mr. W. T. Gordon, R.D., who has been managing this business for some years. Mr. Guthrie will now devote his full time to the business at 271 York Street, established by him about eighteen years ago.

Mr. G. C. Hewson, Ph.C., has acquired a pharmacy in Arran Street, Ballina, his native town. Mr. Hewson has been chemist at the Children's Hospital, Temple Street, Dublin, for some time, and obtained the licence of the Pharmaceutical Society last year. He was apprenticed in

Among the district superintendents who raised the largest amount for the Royal Victoria Hospital, Belfast, at the annual Saturday collection was Mr. W. J. Rankin, 11 Waring Street, ex-President of the Chemists' and Druggists' Society, Ireland, who has acted for many years, and was second in this year with a total of nearly 80.

Chemists' Annual Golf Match.
This match was held on Greenisland Links, Belfast, on

June 5, when there was a good turnout of those engaged in the drug-trade in Belfast and district. The prizes took the form of ballot tickets for the U.V.F. Hospital, and, in addiform of ballot tickets for the U.V.F. Hospital, and, in addition, the surplus, after paying necessary expenses, was voted to this cause. The play was stroke in two sections, the winner in each meeting in match-play final. The winners were James Macauley (first), Mr. J. S. Balmer (second), a special prize for the lowest gross going to Mr. W. P. Doohan. A sweepstake played later in the evening was won by Mr. A. W. Mann and Mr. A. Morris. The amount received for the U.V.F. Hospital as a result of the match was 6l. 10s., including prize money. the match was 61. 10s., including prize money.

Wages for Strikers. At Duugannon Quarter Sessions, before his Honour Judge Linehan, K.C., David Brown & Sons, Ltd., Donaghmore, soap-manufacturers, appealed against the decision of the Dungannon Magistrates granting a decree for 21s. in an action brought by John Gillespie, of Drumreany, for recovery of wages due to him when he went out on strike, and covery of wages due to him when he went out on strike, and refusing to give damages to the appellants on their counterclaim against Gillespie for having left their employment without having given one week's notice. The summons brought by Gillespie was a test case affecting 145 other employés who had also gone out on strike. Mr. Skeffington, for Gillespie, contended that as strikes are now legalised it is not necessary for the strikers to give a week's notice before going out. His Honour said that legalising strikes does not eutitle the workers to act illegally, and Gillespie should have given a week's notice. The decree for 21s, would be affirmed, but on the counterclaim the appellants would be granted 24s, damages, being equivalent to one week's wages in lieu of notice. Mr. Skeffington applied to have a case stated for the opinion of the Court of King's Bench on the matter, and his Honour agreed to do so.

Herbs Wanted.—The Eastern Counties' Herb-growers' Co-operative Association, Blakenham Mill, is advertising in the 'East Anglian Daily Times' for various medicinal and other plants, including belladonna-leaves (packed flat), henbane-leaves and flowering tops, elderflowers, foxglove-leaves (packed flat in sacks or hampers), and colchicum-sceds (picked when the pcds begin to turn brown). The respective prices paid are specified.

### Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4.'

#### Report on May Analytical Exercise.

The powder distributed to students on May 7 contained eight parts by weight of potassium sulphate, one part of potassium chlorate, and one part of potassium oxalate. The calculated composition of such a mixture is:

				47 7
K	 			 43.3
$SO_4$	 			 44.1
ClO <sub>3</sub>			***	6.8
	• • •	• • •	• • •	
$C_2O_4$				 4.8
$H_2O$	 			 1.0
				100.0
				100.0

The powder was almost entirely free from impurities, but it yielded faint indications of the presence of traces of a

chloride and of an aumonium salt.

Samples of the powder were distributed to sixteen Samples of the powder were distributed to sixteen students, and nine reports were submitted for examination. The writers of all these reports detected potassium and the sulphuric-acid radical, but three failed to detect the radical of chloric acid and six that of oxalic acid. Three failed to observe the evolution of water—the quantity of which was very small—when the powder was heated in a dry test-tube.

Observant students who have followed for some time the preference submitted in connection with this column can

analyses submitted in connection with this column can scarcely have failed to note that difficulties often lurk where first appearances seem to indicate comparative simplicity. The present exercise was a good illustrative example. Easily and completely soluble in cold water, and containing only a single metallic radical, the powder presented none of the difficulties often met with in preparing solutions suitable for systematic examination and in dealing with group separations of metallic radicals. The difficulties lay in observing the indications and in obtaining full confirmation of the presence of those acid radicals which were less abundant in the powder—and, in particular, of the oxalicacid radical. Preliminary tests gave such indications of the probable presence of a chlorate that most of our correspondents were prompted to apply confirmatory tests and were usually successful in establishing its presence. The case was different with respect to the oxalate, since the only preliminary indications that suggested the necessity for a careful search for this radical were the very slight darkening which particles of the powder here and there underwent scarcely have failed to note that difficulties often lurk where a careful search for this radical were the very slight darkening which particles of the powder here and there underwent upon simple ignition, and the fact that the residue from this ignition yielded a strongly alkalinc solution while the solution of the original powder was neutral. The latter observation was not reported, however, by any correspondent. The chlorine peroxide evolved from the chlorate when the powder was heated with concentrated sulphuric acid prevented the usual behaviour of oxalates under this treatment from being observable, while the chlorate very materially interfered with the reducing effect upon potassium permanganate of the hot aqueous solution of the powder to which dilute sulphuric acid had been added. In the systematic examination for acid radicals, the formation of an abundant precipitate of calcium sulphate when calcium chloride was added to an aqueous solution of the powder was liable to obscure the simultaneous precipitation, in relatively much smaller quantity, of calcium oxalate. powder was hable to obscure the simultaneous precipitation, in relatively much smaller quantity, of calcium oxalate. The precipitate formed on adding silver nitrate to the aqueous solution of the powder consisted of silver oxalate, but, owing to the sparing solubility of this salt in dilute nitric acid, it was taken in several cases for silver chloride and was not submitted to adequate further examination. The fact that it dissolved with some difficulty when a sufficiency of moderately dilute nitric acid was added (all except the slightest turbility due to a faint trace of silver chloride) ciency of moderately dilute nitric acid was added (all except the slightest turbidity due to a faint trace of silver chloride) was a good hint that an oxalate was present. The most convincing evidence of the presence of an oxalate was obtained by adding a sufficient quantity of calcium sulphate solution to the aqueous solution of the powder and observing with respect to the precipitate which gradually separated (1) that it was insoluble in dilute acetic acid, and (2) that after it had been permitted to settle and the supernatant liquid (containing the chlorate) had been poured away from it, it decolorised potassium permanganate when warmed with that salt and dilute sulphuric acid.

The First Prize for the best analysis has been awarded to

The Second Prize has been awarded to

FREDERICK J. DYER, 4 St. Mildred's Road, Westgate-on-

First Prize.—Any scientific book that is published at a price not greatly exceeding hall-a-guinea may be taken as a first prize.

Necond Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publi-her naming the book or books they select.

	MARKS	AWARDED FOR ANALYSES.	
TT	Stabia	(1st Carbinol	

~ C. M. H.					•••	72
prize)		94	Secundus			71
F. J. Dver	(2nd prize)	76	Metol			68
Jayjay .	(=11ca [p====)	74	Mao			61
3 5 1	••	7/	Vermelles			42
Main .			V CILITOITES	-,-		

#### TO CORRESPONDENTS.

C. M. H. Stoble.—Boiling the powder with sodium carbonate to prepare a solution to be tested for acid radicals was unnecessary in this instance. Keep the purpose of this operation in view and only apply it when requisite.

F. J. Dyer.—We failed to obtain any indication of a trace of a carbonate. The reaction you obtained with lime-water may have been due to the prolonged exposure of the latter to atmospheric carbon dioxide—a possibility which it is well to quard against.

JAYJAY.—Calcium chloride gave an immediate precipitate with a moderately concentrated aqueous solution of the powder, and with a dilute solution it gave a precipitate after a short interval. It is possible that you employed a dilute solution and did not wait long enough to see the precipitate of calcium oxalate.

MARK.—It is unfortunate that you did not seek an explana-tion for the deflagration which you observed, as it is very probable this might have led you to detect the chlorate. An observation of this kind should be followed up and

CARBINOL.—If you carried out the testing for acid radicals as described in your report, it is incomprehensible how you as described in your reaction due to the oxalate either with calcium chloride or with silver nitrate. It would appear as if you must have added these reagents to acid, instead of to neutral, solutions. Read also the first of the preceding replies.

SECUNDUS.—Note carefully the points referred to in the replies to F. J. Dyer and to "Carbinol."

METOL.—The powder gave a reaction for an ammonium compound which was just faintly discernible when the test was applied with the most minute precautions, but the evolution of ammonia could not be recognised by the rough test as ordinarily applied.

Mac.—Your examination of the powder was too superficial and did not include any systematic testing for acid radicals. It is difficult to suggest what the precipitate may have consisted of, which you took for aluminium hydroxide. No precipitate should have been obtained in the iron group.

Vernetles.—In the preliminary examination you omitted to heat a portion of the powder in a dry tube—a test which often affords much valuable information and should always often affords much valuable information and should always be tried. The white precipitate which you took for silver chloride resembled silver chloride in being soluble in ammonia, but differed from it in being soluble also in moderately dilute nitric acid. You do not seem to have applied the latter reagent to it. Study carefully the reactions of chlorates.

#### Wills.

Mr. Fletcher Ritson, chemist and druggist, The Whins, Nelson Street, Carlisle, who died on October 13, 1917, left estate valued at 3,427l. 12s. 2d. gross, with net personalty 1,143l. 12s. 2d.

MR. FRANK HICKS, Underdean, near Newnham, Glos., retired who esale druggist, who died on March 25, has left property of the value of 22,809l. 17s. 1d. gross and 22,632l. 5s. 7d. net.

MR. HENRY EDWARD WILKES, chemical-manufacturer, Fernleigh, Noel Road, Edgbaston, who died on January 5, left estate of the gross value of 29,792l. 5s. 9d., with net personalty 19,390l. 10s.

PRIZZS.

Mr. Bradley Bamforth, Manchester Road, Linthwaite, near Huddersfield, of J. T. Haigh & Co., drysalters, Milnsbridge and Huddersfield, who died on April 3, has left 24,464l. gross and 23,716l. ret.

#### Legal Reports.

Carbonate-of-Magnesia Dispute.—Mr. Justice Bailhache, in the Commercial Court of the King's Bench, on June 11, heard an action in which Allen Harding, merchants, of Deptford, asked for damages from Mr. Geo. F. Berry, of Cullum Street, London, E.C., for alleged breach of contract on the sale and delivery of 18 tons of light carbonate of magnesia. Mr. Mackinnon, K.C., and Mr. Raeburn were for the plaintiffs, and Mr. Compton, K.C., and Mr. Jowett for the defendants. Plaintiffs bought the carbonate of magnesia from the defendant on sample and the description that it was of the usual "commercial quality." Delivery was to be 3 tons a month for six months at 57l. 10s. a ton. Plaintiffs were reselling the goods to another firm, who had the sample of the article analysed Carbonate-of-Magnesia Dispute.-Mr. Justice Bailto another firm, who had the sample of the article analysed by a chemist, and the result was that he reported it could not be considered "light carbonate of magnesia, commercial not be considered "light carbonate of magnesia, commercial quality." Plaintiffs refused delivery of the goods if not up to the quality of description, and defendant claimed that this was a cancellation of the arrangement. His Lordship gave judgment for defendant, with costs.

#### New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

REVILL'S DRUG STORES, LTD. (P.C.). — Capital 4251. Objects: To take over the business of chemist, druggist, and stationer, formerly carried on by C. B. Tonge at Horn-

church, Essex.

G. F. MERSON, LTD. (P.C.).—Capital 6,0001. Objects: To G. F. MERSON, LTD. (1.55).—Capital closed carry on the business of manufacturing chemists, wholesale demonists drug-grinders, importers, exporters, manufaccarry on the business of manufacturing chemists, wholesale druggists, drug-grinders, importers, exporters, manufacturers of pharmaceutical, medicinal, and chemical preparations and articles, makers of and dealers in perfumery articles of all kinds. The directors are Messrs. G. F. Merson, Ph.C., 7 Meuse Lane, Edinburgh, J. G. Robertson, T. P. Burnett, and E. N. Burnett.

G. B. Kent & Sons, Ltd., have declared the usual dividend, at the rate of 5½ per cent. per annum, on the cumulativo participating preference shares for the six months ended March 31, 1918.

DYE MAKERS AMAGAMATE.—The "Times" states that a

scheme has now been arranged, according to the wishes of the Board of Trade, for the amalgamation of British Dyes (Limited) with Levinstein (Limited). A new company Dyes (Limited) with Levinstein (Limited). A new company is to be formed to take over the two undertakings. Its capital, the amount of which is to be decided upon when the ultimate figures of the two businesses are ascertained, will be divided into non-cumulative 7 per cent. preference shares, preferred ordinary shares, and deferred ordinary shares. The actual assets, less liabilities, of the two combining businesses will be paid for half in preference shares and half in ordinary shares. The new undertaking will be under Government control and the Board of Trade may under Government control, and the Board of Trade may interfere if it deems it necessary to fix prices and dictate the method of distribution. Foreign participation in the company, both in capital and voting power, is to be limited to 25 per cent.

#### Association Affairs.

Aberdeen.-The quarterly meeting of the Aberdeen Aberdeen.—The quarterly meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's College on June 4, Mr. A. F. Dugan presiding. The Education Committee reported that arrangements had now been made for the first award of the Petrie Bursary, open to those who had served not less than three years of an apprenticeship with a chemist and druggist in the city or county of Aberdeen. The Secretary is now open to receive applications and give particulars. An interesting report was submitted from the Business Interests Committee. It county of Aberdeen. The Secretary is now open to receive applications and give particulars. An interesting report was submitted from the Business Interests Committee. It was agreed to support the Face Value Committee. How to claim the rebate on spirit used in manufacturing was explained by the Convener, and further particulars regarding this will probably be forthcoming.

Edinburgh.—The annual business meeting of the Edinburgh District Chemists' Trade Association was held at 36 York Place on May 27, Mr. Jas. Dick (President) in the chair. The Treasurer's report showed a cash balance of 12t. 2s. 10½d. The Hon. Secretary (Mr. Wm. W. Brown), in submitting his report, stated that the membership stood at 108. The attendance of members at meetings had improved, but there was still room for further improvement. It was

agreed, on the motion of Mr. Jas. B. Mitchell, that a recommendation be put before members that the annual subcommendation be put before members that the annual subscription be increased to 5s. on account of the new postage rates and high cost of stationery. The following office-bearers were elected for the ensuing year: President, Mr. Jas. Dick; Vice-President, Mr. John Muir; Hon. Treasurer, Mr. Jas. B. Mitchell; Hon. Secretary, Mr. Wm. W. Brown; Assistant Secretary, Mr. J. H. Tainsh; Committee, Messrs. Jas. Adamson, R. E. Dundas, Geo. Hall, A. E. Kelly, C. A. Macpherson, P. Nisbet, J. Noble, G. O. Andrew, and H. R. Nightingale. Mr. A. J. Clark was elected to represent the Association on the Edinburgh School Board Continuation. Class Advisory Committee in place of Mr. Glass, resigned. It was resolved that a plébiseite of chemists be taken for a closing order for 7 p.m. and 9 p.m. on Saturdays. The usual donations of two guineas to the Benevolent Fund and one guinea to the Orphan Fund were sanctioned.—The first one guinea to the Orphan Fund were sanctioned.—The first botanical excursion of the summer session of the Edinburgh. Chemists', Assistants', and Apprentices' Association took place on June 5, under the leadership of the President (Mr. Henry Stout, Ph.C.). A large company, including all the office-bearers, travelled by train from Caledonian Station at 7.10 p.m. to Colinton. The company proceeded through the famous Colinton Dell on the Water of Leith, and continued field work busily till the car-terminus at Craiglockhart was reached, from which the party returned to town. On the motion of Mr. H. W. Blair (Vice-President) a cordial vote of thanks was awarded to the President. The excursion was one of the most largely attended and most successful ever held by the Association, the preponderance of ladies ever held by the Association, the preponderance of ladies-being a new feature. A list of the plants collected is kept for reference at 36 York Place.

Great Varmouth.—The last monthly meeting of the session of the Great Yarmouth Pharmaceutical Association was held at 156 King Street on June 5, Mr. J. S. Shearman (President) in the chair, when correspondence was road and general trade matters were discussed. The next meeting

will take place on October 2.

Leeds.—The fiftieth annual meeting of the Leeds. Chemists' Association was held at the Grand Central Hotel on May 29, Mr. N. N. Armitage (President) in the chair, when the report of the Secretary, the Treasurer's financial statement, and the Price-list Sub-Committee's report were adopted. Mr. H. Gilleghan has relinquished the secretary, ship, to the great regret of the Association, owing to the demands on his time made by his secretarial work on the local Pharmaceutical Committee. Mr. Hayes, in presenting the report of the Price-list Sub-Committee, regretted the the report of the Price-list Sub-Committee, regretted the discontinuance of the surplus-stock list, but said its cost was not justified by results. With the exception of two, the whole of the available members took the price-list monthly. Various speakers testified to the usefulness of the list, especially in these days of constantly changing prices, and the report was adopted. The following officers were elected: President, Mr. N. N. Armitage; Vice-Presidents, Messrs. G. W. Overend and J. H. Beacock; Treasurer, Mr. H. P. Eaton; Auditor, Mr. G. Jackson, Hon. Secretary, Mr. E. E. Hazlegrave, 50 Balm Road, Hunslet; Council, Messrs. Sargeant, Gilleghan, Hayes, Winterbottom, Pollitt, Rothstein, Stringer, Roberts, and Murray. The retiring officers and Council were thanked for their services during the past year. The fund for returned chemist-soldiers has reached a total of 212l. The Benevolent Fund box was found to contain five guineas (less a few pince) as the result of the collections at the meetings during the year. The round sum was at once made up and the amount forwarded to the Fund.

London (E.).—The annual general meeting of the Fast speakers testified to the usefulness of the list,

London (E.).—The annual general meeting of the East London Chemists' Association was held at Poplar on June 6, the President (Mr. A. R. Keith) in the chair. Mr. McMillan, representing the Proprietary Articles Trade Association, read a letter from Mr. Glyn-Jones, giving his views on a "cutting" case in Poplar. The meeting agreed to suspend action, on the assurance that the matter would be energetically dealt with by the manufacturers of the article in question and the P.A.T.A. A letter was received by the Secretary from Mr. Hugo Wolff, Secretary to the Face Value Committee, thanking East London for their remittance in support of the funds, and intimating that already a number of proprietors had come into line. In almost every case where face-value had been adopted an additional percentage of profit had accompanied it. The Treasurer's report was satisfactory, a fair balance remaining it hand. In view of the increased cost of the "Script," it was decided to raise the subscription to 6s. a year. The London (E.).-The annual general meeting of the East of the Poplar on Mr. was decided to raise the subscription to 6s. a year. following office-bearers for the ensuing year were elected: President, Mr. A. R. Keith; Vice-President, Mr. A. Coulton; Scerctary and Treasurer, Mr. B. Abelson; Cemmittee, Messrs, C. Goode, A. Styles, T. Hines, and W. Wood; London County Delegate, Mr. B. Abelson.

#### Birth.

McMichael.—At the Medical Hall, Ballycastle, co. Antrim, on May 19, Brigid Rose McMichael, Ph.C., wife of James A. McMichael, R.D., of a son.

#### Marriage.

Davies—Francis.—At St. Elvan's Church, Aberdare, on June 4, by the Rev. J. A. Lewis, Rural Dean, Thomas Herbert Davies, chemist and druggist (manager to Boots, Ltd.), to Blanche Rosalind, only daughter of Mr. John Francis, chemist and druggist, High Street, Merthyr Tidfil.

#### Deaths.

COOPER.—At "Glencairn," Kingston Crescent, Portsmouth, on June 5, Mr. James Cooper, chemist and druggist, 7 London Road, aged sixty-eight. Mr. Cooper qualified in 1870. He was well known and greatly respected in Portsmouth for his courtesy and generosity. Since the war broke out he had declined to accept any payment for medicines prepared for soldiers, and had frequently entertained parties of them. He was obliged to close his shop recently for lack of assistance. The funeral took place at Christ Church on the Hill on June 10 the Hill on June 10.

Izon.—At 86 High Street, Aston, Birmingham, on June 11, Mr. William Izon, chemist and druggist. Mr. Izon, who qualified in 1893, was a Vice-President of the Birmingham Pharmaceutical Association, and took a prominent part in its activities. He was also known as a popular lecturer on subjects of travel. For some months past he had been suffering from a princip model. suffering from a painful malady.

LETT.—At 20 Addingham Road, Liverpool, on June 6, Mr. Arthur Joseph Lett, chemist and druggist, aged sixty-nine. Mr. Lett had been in business in Liverpool for over-forty years, first in Myrtle Street and latterly in Smith-down Road. After his retirement, some five years ago, he occasionally acted as locum tenens. A representative gather-ing at the funeral witnessed to the esteem in which he was held. He leaves two daughters.

LEWIS.—At the Royal Infirmary, Liverpool, recently, after a long illness, Mr. Edward T. Lewis, aged forty-three. Mr. Lewis had been on the Liverpool staff of Evans Sons Lescher & Webb, Ltd., for thirty years. As their representative in the surrounding district he made himself very popular in the trade, and will be greatly missed by all with whom he came in contact.

MILLER.—At Oxford, on June 1, after a brief illness, William Edwin Miller, chemist and druggist, Park View Road, New Eltham, London, S.E., aged sixty-nine. Mr. Miller was in the service of the St. Paneras Guardians for nearly forty years. On his retirement some four years ago he was granted the maximum pension, and he received a handsome present from his fellow-officials. He was also highly respected by the patients who frequented the dispensary at Clarendon Square, and he used to relate how on one occasion he escaped molestation at the hands of a gang of hooligans late at night by being recognised as "the old apothecary." Mr. Miller abhorred concentrated infusions, and took a pride in showing visitors the accelling all could and took a pride in showing visitors the cod-liver oil emulsion and other preparations made in his dispensary. He was one of the founders of the Public Pharmacists' Association, and on retirement from its Council received a presentation. tion and was elected an honorary member. He will be greatly missed by his former colleagues and by public dispersers to whom, latterly, he had acted as *locum*.

ROBINSON.—At Bourne, on June 8, suddenly, Mr. Herbert Robinson, assistant with Mills & Baxter, chemists. Mr. Robinson expired while engaged in his duties.

Robinson expired while engaged in his duties.

WHARMBY.—At St. John Street, Mansfield, on June 4,
Mr. Joseph Jennings Wharmby, chemist and druggist
(J. J. Wharmby & Sons, wholesale chemists, Wood Street),
aged seventy-four. Mr. Wharmby, who was a native of
Kirkby-in-Ashfield, commenced business at Mansfield Woodhouse, removing to Mansfield thirty-eight years ago. His
sons, Messrs. Walter F. Wharmby, chemist and druggist
(Mayor of Mansfield), and Marsden Wharmby, subsequently
became associated with him in his business. For a long
period prior to his death he took a useful part in public
affairs. affairs.

TOMPSITT.—At Melbourne, Australia; on June 4, Mr. Henry Thomas Tompsitt, of Rocke, Tompsitt & Co., and father of Mrs. R. St. John

Hughes, of Knebworth, Herts, aged seventy-five. The death of Mr. Tompsitt removes a notable figure from pharmaceutical from pnarmaceutical life in the Australian Commonwealth, inasmuch as he was one of the pioneers in leading and shaping the trend of pharmaceutical life. in leading and shaping the trend of pharmacy from its early days. Mr. Tomp-sitt was born in Clerken-well, and in 1850 his parents went to Australia and settled at Prahran, a scuttborn suburt of Mel southern suburb of Mel-bourne. He was appren-ticed to a Mr. White, of Geelong, and after quali-fying locally as a chemist and druggist he in 1872 was enrolled as a member of the Pharmaceutical Society of Victoria, in the



MR. H. T. TOMPSITT.

Society of Victoria, in the affairs of which he took an active share. Early in his career Mr. Tompsitt found employment with Youngman, McCann & Co. (probably the first drug-house established in Australia), and in 1877 he, together with the late Herbert Rocke, founded the firm of Rocke, Tompsitt & Co. in Flinders Street East, Melbourne, trading as wholesale druggists and druggists' sundriesmen, which venture proved a success from the outset. Mr. Rocke died in the early 'eighties, and for many years Mr. Tompsitt was sole proprietor. In 1904 Mr. Samuel Fripp, his manager, who had been with the firm since boyhood, was taken into partnership. A London branch was opened in 1831 for buying mainly, and Mr. Tompsitt kept in touch with both ends by making lengthy periodical visits to this country. In the 'nineties Mr. Tompsitt built a thoroughly equipped factory and laboratories periodical visits to this country. In the 'nineties Mr. Tompsitt built a thoroughly equipped factory and laboratories at Richmond, Victoria, and in 1908 the old warehouse in Flinders Street was pulled down and replaced by a modern six-floor building. Mr. Tompsitt was well known in drug and chemical circles on this side, and he was a former member of the Council of the Pharmaceutical Society of Australasia, and an ex-Treasurer of the Pharmacy Board of Victoria. He also took a keen interest in Freemasonry and filled many of its highest offices. In Mr. Tompsitt the employés of the firm have lost a trusted friend who took a keen interest in their welfare, and his genial disposition attracted to him a wide circle of friends both at home and in the Commonwealth. wealth.

#### Died on Service.

Boden.—Pioneer Fred Grimke Boden, R.E., has been killed in action, aged twenty-five. Pioneer Boden qualified in July 1914, after having been for several years an assistant with Mr. David Innes, chemist and druggist, Stalybridge. He then took over the business of Mr. E. Radcliffe, chemist and druggist, Staley Road, Mossley, which he carried on (in his own name) till he joined the Army in September 1917. He leaves a widow and one child.

Davies.—Lieutenant Brinley O. Davies, Royal Welsh Fusiliers, has been killed in action. Lieutenant Davies, who was the son of Mr. T. O. Davies (T. O. Davies, Ltd., chemists, Cefn, Ruabon) had been missing since April 22 (C. & D., May 11, p. 34).

Fallowfield.—Staff-Sergeant Richard Fallowfield, M.M., R.A.M.C., has been killed on service at a hospital in France. In civil life Staff-Sergeant Fallowfield was an assistant with Joseph Cowper, Ltd., chemists, Penrith.

INGHAM.—Private John Ingham, Manchester Regiment, has died of wounds received on service. In civil life Private Ingham was with Levinstein, Ltd., Crumpsall Vale, Man-

MUNSEY.—Second-Lieutenant William Frederick Munsey, MUNSEY.—Second-Lieutenant William Frederick Munsey, King's Royal Rifle Corps, is officially presumed killed on service, aged thirty. Second-Lieutenant Munsey passed the Qualifying examination in 1911. He joined the O.T.C. in October 1915, and went out to France in the following March. He had been reported missing since August 1917.

POTTER.—Lance-Corporal F. Potter, East Yorkshire Regiment, has been killed in action. Till enlistment Lance-Corporal Potter was with Taylors' Drug Co., Ltd., at Market Place, Hull.

#### Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

DENTISTS ACT INQUIRY.

Our Parliamentary correspondent understands that the draft Report of the Chairman of this Departmental inquiry—Mr. F. D. Aeland, M.P.—is expected to be in the hands of his colleagues at the end of the present month. Should that prove to be the case the Report would probably be ready for presentation to the Lord President of the Council in August or September next. The Committee concluded the taking of evidence on the matters remitted to them for investigation some weeks ago, and the delay in proceeding with the further stages of the inquiry is understood to be due to the fact that the Chairman has since been appointed to conduct the inquiry into the luxury-duties under the Budget proposals. This body is sitting several times each week either as a Select Committee or in the form of Sub-Committees. Committees.

THE EDUCATION BILL.

The discussion in Committee of the elauses dealing with The discussion in Committee of the clauses dealing with continuation classes has created a considerable amount of interest during the week. The original clause made continuation classes compulsory for all children up to eighteen years of age. Considerable pressure was brought to bear upon the President of the Board of Education, principally by the Labour Party, and particularly by representatives of Lanéashire industrial centres. It was pointed out very forcibly by Mr. Snowden, Captain Albert Smith, Mr. Wing, and others that the children of working-class parents were expected after the age of fourteen to begin earning wages. and others that the children of working-class parents were expected after the age of fourteen to begin earning wages for the benefit of the household. Working-people could not afford to lose the extra earnings their children contributed after that age, and the arguments were apparently so convincing that Mr. Fisher on Wednesday, June 5, agreed to lower the age of compulsory attendance from eighteen to sixteen. The original idea is not given up entirely, Mr. Fisher's amendment to Clause 10 being to the effect, as he explained explained,

that the obligation to attend continuation schools should not within a period of seven years from the appointed day on which the provisions of this section come into force apply to young persons between the ages of sixteen and eighteen, nor after such period to any young person who has attained the age of sixteen before the expiration of that period.

This amounts to a guarantee of no compulsion over sixteen for seven years, but it was explained by Mr. Asquith in discussion that the amendment amounted to a statutory declaration that it is to be eventually the law of this country that young persons shall continue to be educated until they reach the age of eighteen. Meanwhile Mr. Fisher has fixed the educational obligation resting upon young persons between fourteen and sixteen to 320 hours per annum instead of 600 hours. Furthermore, it was understood that it would be quite possible for a local education authority to provide opportunities for education for more than 320 hours, but the additional hours would be voluntary. In order to meet the economic difficulty Mr. Snowden moved that the local education authority under schemes approved by the Board of Education pay maintenance allowance for those in compulsory attendance at evening continuation schools. This received a considerable amount of support, but it was eventually lost on a division. This amounts to a guarantee of no compulsion over sixteen amount of support, but it was eventually lost on a division.
The discussion of Clause 10 was continued until Tuesday, when the question of attending schools established by emwhen the question of attending schools established by employers—known as works schools—was considered at length, and it was agreed that attendance in such schools should be voluntary, and that all such schools should be controlled by the education authorities. Mr. Peto complained that Clause 10, as amended, contained no recognition of the real and proper purpose of education, which was to fit the person who was educated for the business of life. After an amendment had been invested to the present of the Poisson. ment had been inserted at the suggestion of Mr. Fisher that

In considering what continuation school a young person shall be required to attend a local education authority shall have regard, as far as practicable, to any preference which the young person

This much-debated Clause was finally agreed to.

BRITISH PHOTOGRAPHIC RESEARCH ASSOCIATION.—This Association was inaugurated in London on Juno 11. Sir J. J. Thomson, O.M., President of the Royal Society, said the Association is the first to be registered under the Government scheme of the Department of Scientific and Industrial Research. Its research for the advancement of photography will be conducted in specially equipped laboratories at the London University.

#### Trade Notes.

STOCKTAKING.—The establishment of Geo. Curling, Wyman & Co., 56, 57, 58, and 59 Bunhill Row, London, E.C. 1, will be closed for stocktaking from June 26 to 29 inclusive.

will be closed for stocktaking from June 26 to 29 inclusive. Rodney Wristlet.—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, are advertising in this issue the Rodney wristlet, which is used as a support for the wrist. The wristlet which we have seen is made of rubber, perforated to allow of ventilation, and when placed in position gives a pleasant feeling of support. The showcard which is sent out shows how the wristlet is to be worn.

Crushable Glass Capsules is the happily eoined expression which is applied by John Tye & Son, 457 Caledonian Road, London, N. 7, to the glass capsules made by the firm. The eapsules are supplied filled with ammonia, amyl nitrite, ethyl iodide, ethyl bromide, or perfumes; and by the use of special glass and new methods of glass-blowing capsules are obtained which exhibit distinct characteristics. We understand that a newly invented superheated gas blowpipo is employed in the manufacture.

Cellophane.—Some time ago we referred to the imper-

CELLOPHANE.—Some time ago we referred to the impermeable tissue which, under the name of "Cellophane," is sold by Leclercq & Charérat, 15 and 16 Cullum Street, London, E.C. 3. Cellophane is a cellulose product. It is structureless, insoluble in water and the most chemical solvents, and is unaffected by heat. The uses of eellophane as a surgical appliance are obvious, while it can be employed for water than the control of t

as a surgical appliance are obvious, while it can be employed for packing pharmaceutical preparations in place of tinfoil or waxed paper. The firm will send samples and prices to chemists who send a postcard request.

"STANDARD" RETAIL PRICE-LIST.—Mr. Charles Philip, chemist, 25 High Street, Hepne Bay, sends us a copy of the first monthly issue of the standard retail price-list which he produces. It will be remembered that hitherto the list has been published quarterly, but in response to requests from those who have used the list and found it useful, Mr. Philip has started publishing it monthly. A new feature is a list of proprietary articles the prices of which have been altered recently. The other useful tables are continued. The list is sold at 1s. per copy, or 9s. for the year.

STOKE'S NASAL INHALER.—The form of inhaler shown in the illustration was designed by a physician residing in a malarial district with a view of providing a nasal inhaler for continuous use. It is placed on the market by Oppenheimer, Son & Co., Ltd., 179
Queen Victoria Street, London, E.C.
The apparatus is made of red rubber, and can be clipped on the nextrils (as and can be clipped on the nostrils (as shown) without further support. When snown) without further support, when required for use the interior is packed lightly with cotton-wool, upon which any inhalant ean be dropped. The inhalers cost 18s. per dozen, and inhalants are supplied at 18s. per dozen 1-oz. bottles. The inhaler is a neat idea, and it seems to be particularly educated for conditions produces. adapted for conditions needing continuous inhalation, either during the day or night.



Tozana Hair-Food.—The Tozana Perfumery Co., Ltd., Tozana House, 257 Gray's Inn Road, London, W.C., are supplying three new showcards to retailers who stock Tozana hair-food. The showcards are calculated to attract Tozana hair-food. The showcards are calculated to attract the attention of those persons who should use Tozana hair-food, one of the cards making a special appeal to women, and another to men. There are two varieties of this toilet-speciality, the feature of that for men's use being the combination with it of hair-fixing ingredients. The smooth backward-brushed hair which is now so popular with young men is easily carried out with such a preparation as the one we are referring to. Tozana hair-food is put up in bottles which scll at 1s., 2s., 3s. 6d., and 5s., the point which chemists should remember being the difference between two kinds

#### Information Department.

#### INFORMATION WANTED.

97/52. Poudre Joannes 98/56. Squire's pepsin 100/67. "Ferrobine" 95/40. Broad's poultice bags 101/60. "Anturie" bath salts 103/26. "Lythes" or "Zythes" arsenate of lead paste for spraying trees

101/33. "Artaconis." a fluid for preserving rabbit flesh 100/67. "Nevith" eau de Cologne 101/36. "Oxford" safety-razor 101/43. Walnut shells or walnut extract; suppliers 101/14. "Phenosol"

#### Observations and Reflections.

By Xrayser II.

#### The "Shake-up at Bloomsbury,"

startling as it is, does not, I fear, promise any departure from the old policy, or augur well for progress, as the term is understood in the Progressive Pharmacy Club. The new President has been an outspoken critic of his predecessor, but he has shown a reactionary tendency, and his complaint against Mr. White three years ago was that he was not sufficiently firm in maintenance of the old order. It is one of "Life's Little Ironies" that when last returned to the Council our new Head received less support from the electorate than any other successful candidate. How is it that the than any other successful candidate. How is it that the whirligig of time has now thrown him up into the chief place? I confess that I am a little intrigued (in the old sense) by the situation. Mr. Neathercoat, again, who is re-appointed to the Vice-Presidency, is the most conservative of this year's candidates, and he is to act as Secretary pro tem.; add the weight of the Under-Secretary's influence in favour of the status quo, and the conclusion is that the Progressive minority will need all their wite vicilence and engree to keep things maying as their wite vicilence. wits, vigilance, and energy to keep things moving as they would have them move.

#### Mr. Glyn-Jones's Withdrawal

from his candidature for the Secretaryship may, I suppose, be traced ultimately to the widespread opposition to the appointment of a half-timer to this post, and though we may regret the loss of his services I cannot but commend his decision. Is Mr. Neathercoat's temporary appointment meant as a stepping-stone to a permanent one? He was, I understand, virtually a candidate before Mr. Glyn-Jones, and he may virtually a candidate before Mr. Glyn-Jones, and he may probably still prefer this post to the comparatively barren honour of the Vice-Presidency. If a member of Council is appointed the co-optation of another member in his place will follow, and the expressed wish of the President to welcome Mr. Gibson back to a seat suggests the result. Mr. Gibson headed the list of unsuccessful candidates, and his co-optation would therefore, admitting the principle, be defensible enough, but the principle is a thoroughly vicious one, and considering how often it is put in practice a dead-set ought to be made against it.

#### Mr. Gifford's Deplorable Levity

on the subject of the Council's luncheons I will not imitate; six-and-eightpence a head for a lunch that even its apologists deem unsatisfactory is a matter for tears rather than for laughter. Regarded simply as meals these luncheons are evidently not worth what they cost, and we can only look for their justifi-cation on what the late Mr. Kruger called moral and compose the differences incident to debate as really to facilitate business, and (so to speak) make the Wolff lie down with the White? Perhaps they are only too effective the speak of the tive in this way? Under the influence of the cup that cheers differences may possibly be composed that ought not to be; republican virtue may be seduced by the social arts of the accomplished luncher, the Hoborn may be the Capua of the Progressive forces. In either case this item of pharmaceutical expenditure certainly demands scrutiny. of pharmaceutical expenditure certainly demands scrutiny. Miss Buchanan suggested a compromise; I venture to follow suit. Why not change the shop? There is an "A.B.C." place nearer to Bloomsbury Square than the Holborn at which one can lunch for say, tenpence. The fare may not be quite satisfactory here either, but it is as plentiful (of the kind) as one has any appetite for. Tenpence may be taken as the minimum, and I would not invite the conventional tenter of the same and the same area. insist on any particular shop, but surely the pangs of hunger even of those "rude barbarians from the North" might be reasonably satisfied for less than a lawyer's fee. May I suggest three-and-four as the happy medium?

#### My Dream in Church

Club should be so lacking in imagination as to translate my poetic "fiery-faced" into the grovelling realism of "red-faced," and that there is such an apparent lack of joviality in the Club. A Club without a red face? Shades of "Rare Ben Jonson" and the Kit-Cat, what a Club that must be! Look again, Mr. Secretary, and if necessary take a lantern with you, as Diogenes did. I am not committed to "red-faced"; it was rather the white heat of enthusiasm that lit up my orator's lineaments, but surely there are faces among you that "when the wine has done its rosy deed" glow with conviviality, as well as others that blaze with oratorical fervour as their newsers denounce the inertia of the Council or experients. owners denounce the inertia of the Council or expatiate upon the necessity of reform?

#### The Education Bill

has been so altered in the House of Commons that much of the advantage we hoped from it for the furtherance of our own educational schemes is postponed for at least seven years, and possibly for an indefinite period after that. This is not the result of opposition from any one political party, for Unionists joined with Radicals in protest against the "amendments"; the struggle was rather between the more and the less enlightened industrials-those who think the manual worker has no need of intellectual cultivation, and those who hold that all labour is bettered by intelligence. The issue was not stated precisely in these terms, but this is what it amounts to, for to say that we cannot afford to educate our workers means that we think their work does not pay for their education, a miserably short-sighted but thoroughly British view, which even the war, with all its lessons to the contrary, has not altered,

#### A Luxurv

is, literally, something that makes for voluptuous enjoyment, and if this were the legal definition the luxury tax would not hurt us much. But in the popular extended use of the word it threatens us seriously. It has been said that the most expensive of luxuries in London is to keep clean; anything that is desirable without being absolutely indispensable, any necessary, even, if excessively indulged in, is a luxury; and remembering the thousand-and-one things that conduce to comfort and civility, and the varying standard of comfort and civility, it is virtually impossible to impose a tax of this kind that will not interfere seriously with necessary trades, and fall harshly and unequally on many traders, not because of its restriction of demand only, or chiefly, but because of the impracticability of deciding what is and what is not a luxury.

whose festival in the Roman Church falls on June 15, was a pagan youth of Sicily, brought up, however, as a Christian by his nurse, St. Crescentia, who suffered martyrdom with him in the Diocletian persecution of the fourth century. It is not clear how he was supposed to have power over the nervous or hysterical affection which was named after him, and which was not chorea (to which the name of St. Vitus' dance is now given), but seems to have been closely allied to Tarantism. Whatever the reason his shrine near Ulm was so much frequented by women suffering from it that a jumping procession of votaries on Whitsun Tuesday became an annual rite there, and a sort of sympathetic magic may have had some effect towards working a cure. There is an old some effect towards working a cure. There is an old rhyme (from a German chronicle) which describes an outbreak of the disease at Strasburg :

"At Strasbourg hundreds of folk began
To dance and leap, both maid and man;
In open market, lane, or street,
They skipped along, nor cared to eat,
Until their plague had ceased to fright us.
'Twas called the dance of holy Vitus.'

Not unnaturally the name in course of time was trans-My Dream in Church

has, it seems, caused a fruitless search
for a red-faced man in the Progressive Pharmacy Club.
I am doubly sorry to hear it—sorry that members of the BRONCHITIS, ASTHMA, COUCHS. INFLUENZA, &c.

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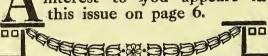
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n announcement of particular interest to you appears in this issue on page 6.



#### PATENTS AND TRADE MARKS.

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## Editorial Articles.

Supplying Drugs to Troops.

THE Army Council has issued a revised version of the THE Army Council has issued a revised version of the Narcotic Drugs Order, which was originally made on May 11, 1916, under Regulation 40 of the Defence of the Realm Act (see C. & D. Diary, 1918, p. 89). The new Order, which was published in the "London Gazette," June 7, is given elsewhere in this issue. The schedule of drugs is the same as in the first Order, but the conditions of supply have been altered considerably. The following is a paraphrase of the regulations, those parts printed in italics being additional to the conditions previously in force:

MEMBERS OF HIS MAJESTY'S FORCES (not registered medical practitioners, registered dentists, or registered veterinary surgeons) must not be supplied with these drugs unless—

1. the drugs are ordered by a registered medical practitioner, or registered dentist, or registered veterinary

surgeon,

2. on or in accordance with a written prescription

3. which is dated

4. and signed by the medical practitioner or registered dentist or registered veterinary surgeon with his full name and address

5. and qualifications

5. and qualifications
6. and marked with the words "Not to be repeated,"
7. and specifies the total amount of the drug to be supplied on the prescription (except where the medicine to be supplied is a proprietary medicine, when "the amount of the medicine to be supplied" is to be stated).
8. The chemist must not supply the drug more than once on the same wrescription.

on the same prescription,

9. must mark the prescription with the date on which it

is dispensed,
10. must retain the prescription,
11. and keep it on the premises where it is dispensed,
12. so that it can be open to inspection by any person
authorised for the purpose by a Secretary of State.
13. The ingredients,
14. with the name and address of the person to whom they
are sold or delivered, must be entered in a book specially
set apart for this sole purpose and kept on the premises
where the prescription is dispensed.
15. The book is to be open to inspection by any person
authorised for the purpose by a Secretary of State.
16. In the case of a prescription for cocaine or solid or
liquid extract of coca in a larger quantity than one part of
cocaine in a thousand, the amount and percentage of cocaine
must be plainly marked upon the package or bottle.
17. Prescriptions ordering raw, powdered, or granulated

17. Prescriptions ordering raw, powdered, or granulated opium per se cannot be dispensed.

The effect of the new regulations is to make the conditions more nearly resemble those which are attached

to the Cocaine and Opium Regulation. It will be noticed, however, that, probably as the result of attention having been called to the matter in "The Times" (see C. & D., June 1, p. 45), the Army Council has made it clear that there is no restriction on the sale of drugs to medical men in uniform. Another matter is that dentists and veterinary surgeons are also exempt from the prohibition as to the supply of the scheduled drugs which applies to other persons serving with the Forces. We are at a loss, however, to account for the inclusion of veterinary surgeons and the implication that they may write prescriptions, as the Order is distinctly stated to apply to drugs for troops. Our wounded soldiers in hospitals are already exposed to the unnecessary risks of dispensing by unqualified dispensers, without allowing vets. to prescribe for them. Probably, hewever, some drafting mistake has been made in the Order, which was doubtless intended to facilitate the purchase of the scheduled drugs required by veterinary surgeons in the treatment of animals. It looks as though chemists will have to keep a special book for entering prescriptions dispensed under this Order, but it may be that the wording used is intended to apply the conditions of Section 17 of the Pharmacy Act, 1868, to prescriptions containing benzamine and Indian hemp, which, not being poisons under the Poisons and Pharmacy Act, 1908, are not required by law to be entered in the prescription-book. We are endeavouring to obtain the opinion of the Army Council on this point. The extraordinary complication in the chemist's business which is occasioned by Orders issued from various Departments of the Government and the frequent alterations in the Orders is a serious drain on the energies of the chemists of this country, who are without exception overworked. The difficulty would have been much less if the Government had obtained the advice of pharmaceutical experts in the matter, so that the regulations under the Pharmacy Acts and Defence of the Realm Act could have been co-ordinated.

#### Pharmaceutical Matters.

THE calmness of the pharmaceutical atmosphere, which was so much disturbed by the whirlwind at the last
Council-meeting, is still far from settled. A
The Secre-further consideration of the question of the
TARYSHIP. appointment of Mr. W. S. Glyn-Jones as Registrar and Secretary is rendered difficult to members who are not Councillors, on account of the deficiencies in the information which has been made public. We may remark, however, that there are hints of matters in Mr. Glyn-Jones's letter (C. & D., June 8, 46) upon which further details would be necessary before outsiders can come to a decision. What, for example, is meant by the "Liverpool letter," which was one of the factors in causing Mr. Glyn-Jones to come to the decision not to proceed with his candidature for the position of Secretary? Then, again, there is the statement that "the respective status and responsibility of Mr. Chater and Mr. Mallinson should be one of equality," which the General Purposes Committee apparently were not prepared to agree to. Mr. Chater was made an Assistant-Secretary some years ago. during the term of office of Mr. Woolcock, and Mr. Mallinson is chief of the Checking Bureau, which is carried on at Bloomsbury Square and is the special charge of the Local Associations Executive. The greater part of the proceedings at the last Council-meeting was carried on in Committee, and hence could not be reported. Mr. E. T. Neathercoat, who was re-elected Vice-President, is carrying on the duties of Secretary until the next meeting of the Council. We suggest that before the next meeting an official statement should be circulated as to the position of affairs. Among the communications which were before the Council was a letter from the Privy Council in reference to a new draft Order in Council under Section 5 of SCHEDULING the Poisons and Pharmacy Act, 1908, relating ACET to acetaniide. This is a mysterious item.

Section 5 of the Poisons and Pharmacy Act

refers to "restrictions on sale of certain poisonous substances," and regulates the labelling and

ANILIDE.

sale of ammonia, carbolic disinfectants, hydrochloric acid, nitric acid, soluble salts of oxalic acid, and sulphuric acid-chemicals which are used for technical and domestic purposes. The articles covered by Section 5 may be sold by anyone if the conditions laid down are carried out. The Privy Council has power to add other substances to the list given in the Poisons and Pharmacy Act. If, as we understand it, it is now proposed to add acetanilide to the list, it marks a new departure, in that acetanilide is a medicinal drug which is used very largely by the public in the form of headache-powders, and with remarkably good effect. To affix a label "Poisonous" to such powders is to weaken the attitude of the public, who will come to the conclusion that "poisonous," being applied to ordinary medicaments, does not imply anything seriously poisonous. We find from an examination of the statistics of the Registrar-General during the last fifteen years that there have been only four deaths from acctanilide, which does not seem to show that the drug is of a very deadly character. We think also it will be found that the deaths referred to were due to the fact that medical men were formerly in the habit of prescribing much larger doses of the drug than is customary at the present The Pharmaceutical Society some years ago advocated the scheduling of acetanilide because of the dangers which resulted from the large doses that medical men used to administer. The Privy Council turned down the resolutions which were submitted in 1905, and now, when medical men have come to learn the proper dose, further proposals are being made to restrict the trade. It will proposals are being made to restrict the trade. have been noticed that approval of the curriculum by-laws was not notified at the last THE By-LAWS. Council-meeting, and it is to be hoped that the delay indicates that fair-play is to be given to assistants who are with the Forces. It has been pointed out to us that it is hardly fair to allow such a

question to be settled by chemists who have already qualified without hearing the arguments of the under-graduates. It would be best to postpone the question until Assistants' Associations are in a position to resume their meetings and discuss the problem. Meanwhile, the Privy Council has apparently been in correspondence with the Pharmaceutical Society on this matter, and may have placed this aspect of the by-laws before the Council.

#### Controlled Products.

Since we referred to the question of supplies of extract of malt a year ago there has been little to report, except that the demand has turned out to be greater than the supply, with the consequence that several makers of malt extract and malt and oil are MALT Extract. working under great difficulties. The supplies of barley remain strictly under the control of the Ministry of Food, and the makers of malt extract are allowed very limited quantities. Moreover, malt extract can only be sold under a written guarantee that it will be used only for human food or medicinal purposes, and the licence granted to makers has to be renewed every month. Several of the makers of malt extract have orac-tically no stock at present, having disposed of all they can make from the ration of barley allocated, and they cannot obtain further supplies until the licence period has expired. As regards exports there is a rigid prohibition, and only in exceptional cases are small lots allowed to be shipped to the Colonies. Special permission is required from the Ministry of Food before the War Trade Department will issue a licence to export, so that unless the buyer has the necessary documents it is little use approaching a maker or packer. With the continually increasing cost of manufacture the price of malt extract, which is 61l. per ton to wholesale houses, is more likely to advance than otherwise. It will be remem-bered that in April last the Royal Commission on the Sugar Supply fixed the price of all syrups for domestic use at 60s. per cwt. when sold in bulk, and GOLDEN at 80s. per cwt. when sold in cases, but there SYRUP. are practically no supplies available in the open market to the distributor who places small parcels. It appears that when a shipment of molasses arrives it is sent to one of the large refineries, DEHVDE

and they in turn naturally prefer to sell it to one or two large distributors or packers. The consequence is that those who require small lots for manufacturingpurposes have to go without. We have had several inquiries as to where supplies can be obtained, and we shall be glad to hear of sellers. The importation is, of course, prohibited except under licence, and the small commission which is allowed by the Government is not sufficiently attractive to the would-be importer. The hopes of plentiful supplies of British-made

SACCHARIN. saccharin are still unfulfilled, notwithstanding the hopefulness of those who control the output of the manufacturers. A tremendous amount of trouble has been caused to all parties by this latest effort of a Government Department to control a chemicalproduct, and if by some process of co-ordination other Government Departments could profit by the blunders which have been committed in the case of saccharin, some ultimate benefit to the nation would result. Licences to import American saccharin are being refused by the authorities because of the impression that supplies of the British-made article are ample. This has made a scarcity in spot saccharin, and prices are hardening against aërated-water makers, chocolate and jam makers, who must have supplies to enable them to continue their businesses. The position in regard to the supplies of formaldehyde for Government purposes appears to have become very acute of late-FORMAL-

there has been a further tightening-up in the control, the Government having decided that there are to be no market-dealings in the product, and an Order to this effect will be gazetted shortly. It is probable that the price will be controlled and supplies given to buyers who require it for urgent and necessary work, the nature of which the Government will decide. It is to be regretted that the production of formaldehyde in this country is virtually impossible, as supplies of pure methyl alcohol are not available.

so much so that, as intimated last week,

Military Service for Pharmacists.

WE are glad to find from a report in the "Journal of the American Pharmaceutical Association" that in regard to military service for pharmacists Mr. Glyn-Jones, in his report to the War Office Committee, has so impressed the authorities that a reform is almost inevitable in the near future. This is interesting news, and we hope that an announcement will be made on each earnest will include the service of ment will be made so soon as possible which will include the definite statement that it has been decided to grant commissions to Army pharmacists engaged on particular work in the Royal Army Medical Corps. Our contemporary remarks that the whole problem of the pharmacist in the Army will be solved for the British Empire by the advance that will be made, but we must wait for the report until we can judge the matter correctly. The other military matter which is concerning British pharmacists at the present moment is the call for more men which has resulted from the general military situation. The Military Tribunals had been instructed by the Ministry of National Service to hold over any cases which came before them in which pharmacists were concerned. We learn now that further information has been sent to the Tribunals as to the agreement that has been arrived at after consultation with the Pharmaceutical Advisory Committee. This is to the effect that chemists who are in Grade I. will be required to join the Army as follows: Managers or owners, up to thirty-one; qualified assistants, up to thirty-five; unqualified assistants, up to forty-three. In Grade II. unqualified assistants up to thirty-five are required to join. Chemists of ages and grades falling within these limits should, if they receive calling-up notices, communicate at once with the Pharmaceutical Committee of their district, the Secretary of which will then request the military authorities to withdraw the notice. Those who are liable to military service may appeal to the Tribunals on the usual grounds, and in the event of indispensability their case will be taken up by the Pharmaceutical Committee, who will receive the assistance of the Pharmaceutical Advisory Committee.

#### Personalities.

Mr. A. G. B. Paterson, chemist and druggist, Girvan, has been elected Secretary and Treasurer of the Carrick

MR. PHILIP F. ROWSELL, J.P., chemist and druggist, and Dr. H. B. Brackenbury, have been appointed Fellows of the Faculty of Insurance.

Mr. Percy J. Ashfield, chemist and druggist, Rhyl, has been elected President and Chairman of Committee of the Rhyl Advertising Association.

MR. FREDERICK G. D. CHALMERS, M.A., B.Sc., Glenkindie, has been appointed chief assistant in the laboratory of Drs. Bostock Hill & Rigby, public analysts for Worcester, Hereford, Shrewsbury, and Warwickshire.

THE ALBERT MEDAL of the Royal Society of Arts has been awarded to Sir Richard Tetley Glazebrook, D.Sc., F.R.S., for services in connection with the National Physical Laboratory and the Advisory Committee for Aeronautics.

ALDERMAN A. SIDNEY CAMPKIN, J.P., chemist and druggist, has been re-elected Chairman of the Borough of Cambridge Assessment Committee—a position he has filled for thirty years. This Committee consists of twenty members, representing the University, the Borough Council, and the Guardians.

### Order of the British Empire,

The promotions in and appointments to the "Most Excellent Order of the British Empire," dated June 3, easily break the record in the number of honours bestowed. The list was printed in six successive issues of the "Times." To chemists the most interesting items are the C.B.E. given to Mr. E. W. Lucas, Ph.C. (managing director of John Bell, Hills & Lucas, Ltd.), the O.B.E. to Mr. J. B. Barnes, Ph.C. (Inspector of Medical Supplies at the War Office), and the M.B.E. awarded to Mr. F. H. Glew (radium expert to the Optical and Glassware Department, Ministry of Munitions), to Mrs. E. L. Bult Francis and to Mrs. Christina Lamond Howie. It is significant of the patriotic activities of the administration of The British Drug Houses, Ltd., that the wives of two of the directors should be honoured. The medical profession, as usual, figures largely in the lists. Science and chemical industry are fairly well represented. Mr. Horace Darwin, F.R.S. (chairman of the Cambridge Scientific Instrument Co., Ltd., and member of Munitions Inventions Department Panel), has been made a Knight Commander; so also has Colonel Sir F. L. Nathan (Chairman of the Standing Committee on Causes of Explo-THE promotions in and appointments to the "Most Excel-

(Chairman of the Standing Committee on Causes of Explo-

Knight Commander; so also has Colonel Sir F. L. Nathan (Chairman of the Standing Committee on Causes of Explosione, and Chairman Advisory Committee on Alcohol Supplies for War Purposes). Among the Commanders are Professor E. C. C. Baly, F.R.S. (Professor of Chemistry at Liverpool University, Deputy Inspector of High Explosives, Liverpool Area); Mr. Conrad Beck (President of the British Optical Instrument Manufacturers' Association, chairman and managing director of R. & J. Beck, Ltd.); Sir H. E. Boulton, Bart., C.V.O. (son of the late Sir Samuel Boulton, of Burt, Boulton & Heywood, Ltd.); and Professor H. B. Dixon, F.R.S. (Professor of Chemistry, Manchester).

In the O.B.E. list are Professor P. G. H. Boswell, D.Sc., F.G.S. (Professor of Gfology, Liverpool University; Geological Adviser to Ministry of Munitions); Dr. W. B. Burnie, D.Sc. (Brighton Technical Institute); Dr. A. C. Cumming (director Lothian Chemical Co.); Dr. J. S. Flett, LL.D., D.Sc., F.R.S. (Assistant to Director Geological Survey of Great Britain); Captain F. A. Freeth (chemist, Brunner, Mond & Co., Ltd.); Major L. B. Holliday (chairman, L. B. Holliday & Co., Ltd.); Miss Hilda Phœbe Hudson, D.Sc. (Aero-Dynamics Technical Research Aircraft Production Department, Ministry of Munitions); Mr. A. J. Martin (Clerk to the Controller, Patent Office); Captain P. Chalmers Mitchell, D.Sc., LL.D., F.R.S.; Dr. J. C. Phillip, D.Sc. (Hon. Secretary Chemical Society); Dr. Samuel Smiles, D.Sc., F.R.S. (Assistant Professor Chemistry University College, London); Mr. H. J. S. Stobart (managing director Chanee Bros. & Co., Ltd.); and Miss Martha A. Whiteley, D.Sc. (Research Chemist, Chemical Warfare Department, Ministry of Munitions).

In the M.B.E. list are Mr. E. V. Evans (chief chemist South Metropolitian Gas Co., Ltd.); Mr. C. E. Lord, who was formerly the Paris correspondent of The Chemist And Druggist; and Mr. J. H. Sutcliffe (Army Spectacle Depôt).

GREAT IMPORTANCE is attached to the discovery of potash deposits in the Province of Szechuan, China, whabout to be exploited by British and French capital.

#### The Sale of Poisons in Great Britain.

By S. W. Woolley, Editor of "The Chemist and Druggist."

A lecture delivered before the Progressive Pharmacy Club on June 11, 1918

THERE is a temptation to begin this lecture with an historical survey of legislation dealing with the sale of poisons, but as time is limited and it is intended to deal with the subject from a practical point of view the temptation must be resisted on this occasion. Until the passing of the Pharmacy Act nearly fifty years ago, the Arsenic Act was the only statute which regulated the sale of poisons in this country. This Act, as stated in the preamble, was intended to check the crime of poisoning by arsenic, which was at that time very prevalent. When the Act was passed in 1851 there were no registered chemists, and any shopkeeper could sell arsenic so long as he conformed with the regulations laid down in the Act. The safeguards introduced were those of colouring the white and tasteless arsenic compounds with soot or indigo and entering the sales in the poison-book, the idea being to prevent the administration of arsenic in mistake for food products and to trace purchases in cases of criminal use. The Pharmacy Act, 1868, introduced a more varied schedule and also the principle that the education of the seller would prevent many cases of accidental poisoning. The Poisons and Pharmacy Act, 1908, repealed the Poisons Schedule of the Pharmacy Act, 1868, replacing it with a revised list of poisons. Unfortunately this Act marked a reversion to the older principle that mechanical safeguards are sufficient protection when even the most dangerous poisons are sold for agricultural and horticultural purposes.

The pamphlets which have been distributed contain an abstract of the Poisons Schedules and regulations of the Arsenic Act, the Pharmacy Act, and the Poisons and Pharmacy Act. To these have been added the new Narcotic Drugs Order and the Cocaine and Opium Regulation, war emergency legislation made under powers

conferred by the Defence of the Realm Act.

#### What is a Polson?

A good deal of interesting speculation might be, and has been, indulged in, in defining a poison, but for the purpose of this lecture "a poison is any substance included in the Arsenic Act, and the Poisons and Pharmacy Act, 1908, the sale of which is regulated by those Acts and the Pharmacy Act, 1868." Under the Offences against the Person Act "poison" has a different meaning, and dictionaries give various interpretations. There is a difference made in the Poisons and Pharmacy Act between a substance which is a "poison" and one which is "poisonous." It is important to remember that the words are not synonymous. Substances included in Section 5 of the Poisons and Pharmacy Act require to be labelled "Poisonous," as also does carbolic acid (over 3 per cent.) when prepared for purposes connected with agriculture and horticulture. (See entry in Part II. of the Poisons Schedule.) "Poisonous" is supposed to mean something less than "poison," but the articles which Section 2 calls "poisonous substances" include arsenic and nicotine. The substances in Part I. and Part II. of the Poisons Schedule require labelling "Poison" when sold by retail or wholesale. There is an exception made in regard to dispensing. In the case of arsenic the prescription must be that of "a legally qualified medical practitioner," but under the Pharmacy Acts it is "medicine dispensed" (an expression which includes a good deal) that is exempt from the labelling conditions so long as the prescription is copied in the prescription-book with the name and address of the person to whom it is sold (i.e., the patient) or delivered (i.e., the patient's agent), and the name and address of the seller is attached to the medicine. In the case of "repeats" it seems to be safest to copy the prescription each time, although that is not the usual practice. The sale of a compound containing a scheduled

poison is a sale of poison within the meaning of Section 15 of the Pharmacy Act, 1868, but the sale of a substance which contains an infinitesimal quantity of a poison does not constitute an offence against the poison laws. principle of de minimis non curat lex applies probably in the case of the dilute forms of homeopathic medicines. An attempt to define this principle is obvious in the coca entry of the Poisons Schedule and the cocaine entry of the Cocaine and Opium Regulation, where admixtures containing less than one in a thousand of coca alkaloids in the one case, and "cocaine" in the other case, are not. poisons within the meaning of these enactments.

Wholesale Sales.

Wholesale sales are sales made by wholesale to retail dealers in the ordinary course of wholesale dealing. expression does not refer to large or wholesale quantities sold to actual users of the poison. Sales to medical men are not wholesale sales. Wholesale orders for arsenio must be in writing. The name and address of the wholesaler is not required to be placed on poisons sold to retailers.

The records that have to be kept of the sale of poisons are not identical in the various enactments which require poison-books to be kept. On this account it is advisable to have separate books for the sale of (1) arsenic, (2) poisons included in the Poisons Schedule of the Poisons and Pharmacy Act, (3) cocaine, and (4) opium. It is not improbable also that the new Narcotic Drugs Order contemplates a separate record- or prescription-book. In the case of the sale of arsenic more details are required to be observed than in the case of the Poisons and Pharmacy Act poisons. For example, the "condition or occupation" of the purchaser is required, and when a witness of the purchase is necessary he must enter his address when he signs his name. The purchaser of arsenic must be of full age, but there is no age restriction in the case of poisons sold under the Pharmacy Acts. When the Arsenic Bill was before Parliament it was proposed to restrict the sale of arsenic to males, but at the last moment the female sex was given the right to purchase the poisons covered by the definition arsenic. The requirement as to the form of the poison-book in the Pharmacy Act, 1868, is definite, but the Arsenic Act allows a deviation from the form given in the Schedule. An incomplete entry is an illegal one. The Cocaine and Opium Regulation deals with poison records in great detail, with the result that it is an offence to make a mistake, however trivial, in an entry, and it is equally an offence to correct it. The Cocaine and Opium Regulation makes provision for the production of the poison-book to any person authorised by the Home Secretary. Police sergeants who inspect cocaine and opium registers carry with them an authorisation. There is no provision in the Arsenic Act or Pharmacy Acts for the production of the poison-book, but magistrates and judges have power to order the production of books or documents required in any case before them.

The Seller,

The seller of a poison under Section 17 of the Pharmacy Act is the person who keeps the shop or actually conducts the business of the place where the sale is transacted. Under Section 15 the seller includes the assistant who performs the physical act of transfer, but the sale must be under the personal supervision of a registered chemist. This does not apply to licensed persons under Section 2 of the Poisons and Pharmacy Act, where each assistant who sells poison must be licensed. An agent who receives orders, sends them to a manufacturer, and subsequently receives a commission on the sale is not a seller within the meaning of the Pharmacy Acts. The name and address of the seller must be given on the label, but it is sufficient if the trade name is given, even if it is not his personal name. The address must be clearly indicated if more than one address is given on the label. A person known to the seller implies more than mere knowing a person by sight. It is probably sufficient to know his name and where he

(To be continued.)

## Insurance Act Dispensing. A Record of matters concerning Chemists' interests in the National

Health Insurance Acts.

#### Reports from Local Centres.

ENGLAND.

Birmingham.—The Pharmaceutical Committee met on May 24, when it was decided to accept the Commissioners' suggestion to remain in office for another year. The checking of prescriptions by the Central Checking Bureau was considered highly satisfactory.—The result of an investigation into the prescribing of medicines for insured persons in receipt of domiciliary treatment during 1917 was reported to a meeting of the Insurance Committee on May 28., Comparative figures show that the total number of prescriptions to a meeting of the Insurance Committee on May 28. Comparative figures show that the total number of prescriptions dispensed in 1917 was 19,245, as compared with 15,134 in 1916, the cost being 688l. 10s. 9d., as against 508l. 9s. 10d. The average cost of the prescriptions issued in 1917 was 0,52d. higher than that of the prescriptions issued in 1916. A scrutiny of the whole of the prescriptions showed that in the main the prescribing had been carried out with care and economy, though in a few instances prescriptions had been issued before the expiration of the period which should have elapsed from the ordering of the previous supply if the directions as to dosage had been followed by the patient. the patient.

Blackburn. - The Lancashire Prescription Bureau No. 4 has certified that the number of prescription Bureau No. 4 has certified that the number of prescriptions dispensed by Blackburn chemists during March was 12,044. The Clerk to the Blackburn Committee has paid 225l. 15s. 11d. in respect of same, or 75 per cent. of the cost. For February tho prescriptions numbered 10,934, and the average cost per script was 7.76d.

Burnley.—At the last meeting of the Insurance Committee a memorandum was submitted from the Commissioners with regard to dispensing chemists and the present military needs. It was stated that, in view of the Military Service (No. 2) Act, the Committee should reconsider the question of the exemption of chemists. It was decided that the Chairman, Alderman E. Keighley, and Councillor D. Irving should meet the Pharmaceutical Committee on the matter, and afterwards confer with the Military Repre-

Liverpool.-The Pharmaceutical Committee met on June 5, and discussed the position of chemists under the Military Service Act, communications being read from the Insurance Committee and the Ministry of National Service, and the cases of dispensing chemists being specially considered. Opinion was taken on the propriety of continuing in office after July 15 without an election.

Manchester.—A meeting of the Pharmaceutical Committee was held on June 5, Mr. F. W. Bates, J.P., presiding. After the usual routine business a letter was read from the Insurance Committee asking the Committee's consent to the destruction of prescription-forms issued during 1916. This Insurance Committee asking the Committee's consent to the destruction of prescription-forms issued during 1916. This was agreed to. The Commissioners' suggestion regarding the extension of the term of office of Pharmaceutical Committees was approved, and it was resolved to hold a meeting of the panel chemists on July 5, at which the Committee's annual report and balance-sheet would be presented. The annual report and balance-sheet would be presented. The Secretary reported that as a further opportunity had arisen for pressing for an alteration of the dispensing-hours to 9 A.M. till 8 P.M., instead of (as at present) from 9 A.M. to 9 P.M., ho had written to the Insurance Committee in this connection. His action was approved. The official figures for 1917 were as follows: Total number of prescriptions dispensed, 811,028; total cost, 18,1311. 13s. 5d.; average ingredient-price, 2.44d.; average dispensing-fee, 2.92d. With regard to the recruitment of chemists and the review of exemptions, the Sccretary intimated that negotiations at headquarters with the N.S.R. Department and the Insurance Commissioners were in progress, and final instructions headquarters with the N.S.R. Department and the Insurance Commissioners were in progress, and final instructions were being awaited. A review of the area by the Joint (Military Service) Committee would take place as soon as these were received. The Checking Bureau's report on the February prescriptions was considered quite satisfactory, and its adoption was agreed to. It was resolved to remit to the Checking Bureau a cheque to cover part payment of the checking account for 1918. Mr. Nidd raised the question of the dispensing of N.H.I. medicines in bottles bearing mames of proprietary medicines, and submitted evidence rames of proprietary medicines, and submitted evidence that the practice still obtained, although definite instructions to the contrary had some time ago been issued by the Insurance Committee. The Committee strongly deprecated the dispensing of medicines in other than ordinary dispensing bottles, and reiterated its formerly expressed opinion that the practice might by inadvertence have serious consequences, and these it was anxious to obviate.

Middlesex.—The Insurance Committee met on June 3 at the Guildhall, Westminster, Mr. W. S. Glyn-Jones, M.P., presiding. Payment was ordered of accounts amounting to 6,095\(\ell\). 15s. 11d., including those of chemists for 1917, 2\(\ell\). 14s. 10d.; ditto, 1918, 3,904\(\ell\). 7s. 10d.; and Pharmaceutical Committee's administration expenses, 1917, 2\(\ell\). 127d. 3l. 1s. 7d.

Oxford.—The Insurance Committee met on May 24, when the Clerk read a letter from the National Insurance when the Clerk read a letter from the National Insurance Commissioners respecting the position of chemists and military service, and asking the Committee to determine how best to maintain an adequate service, and supply the medical needs of the insured persons. The Chairman said representatives from the Medical and Sanatorium Sub-Committee and the Pharmaceutical Committee should meet to discuss whether there were any chemists to spare in the area. If no agreement could be come to the matter could be referred to the Advisory Committee in London. Mr. Goodall stated that he took it the Committee would not support Grade 1 men. He proposed that Dr. Higgs, Mr. H. W. Beesley, and Mr. H. Hand should form a committee to see into the matter with the Pharmaceutical Committee to see into the matter with the Pharmaceutical Committee representatives. The motion was carried. It was decided that if any question arose which needed immediate attention in connection with this matter, the Sanatorium Sub-Committee should deal with it.

Portsmouth.—In the matter of the assessment calculations (ingredient prices) under the New Tariff and the Article 5 Tariff, the Panel Committee has agreed to the suggestion that the ratio obtained for the first nine months of 1917 should be applied to the fourth quarter's calculations, and the Insurance Committee, at its meeting on May 30, acquiesced in this recommendation. The payments to chemists for the months of January, February, and March were as follows: January, 316l. 14s.; February, 283l. 13s. 3d.; March, 320l. 1s. 10d.—A letter was received from the Pricing Committee stating that the Committee's share of the expenses of the Joint Committee for 1917 amounted to 164l. 3s. 6d. The amount chargeable for the present year would be 177l. The Finance Sub-Committee recommended that this be paid, and it was agreed to.

Salford.—The Insurance Committee met on May 30, when the Clerk submitted a communication from the Pharmathe Clerk submitted a communication from the Pharmaceutical Committee drawing attention to the management of a panel chemist's branch shop, at which there was no registered pharmacist in charge. The Clerk reported the circumstances as ascertained, and it was resolved that further consideration of this matter be deferred till the next meeting of the Medical Benefit Sub-Committee. An application was made by Mr. J. Lyle Davison for the establishment of a rota in the Lower Broughton district on Sunday and Wednesday evenings, whereby two shops would be and Wednesday evenings, whereby two shops would be closed and two remain open each week, and it was resolved that the application be granted on the understanding that on the evenings the shops are closed notices are displayed therein informing insured persons where medicines can be obtained.

Sheffield.—A meeting of the Insurance Committee was held on May 5, when the Clerk reported that he had received a letter and memorandum from the Insurance Commissioners on the question of releasing further chemists for military service. The Commissioners suggest that the details affecting chemists' businesses which are essential are of such a nature that a discussion of Individual cases cannot be taken in full Committee and suggest the formation of be taken in full Committee, and suggest the formation of a small Sub-Committee. It was resolved that a Committee of five be appointed. Payments to chemists were ordered five be appointed. Payr amounting to 938l. 16s. 6d.

Smethwick.— At the meeting of the Insurance Committee on June 4, the Medical Benefit Sub-Committee remittee on June 4, the Medical Benefit Sub-Committee reported that the number of chemists in the town was the lowest possible for the requirements of the civil population, and that no pharmacists should be released for military service. The Pricing Office statistical data showed that during the first quarter of 1918 the proscriptions dispensed numbered 19,353, at a total cost of 5081. 5s. 11d. The average ingredient-price was 2.95d., and the average dispensing-fee 3.36d. The Commissioners propose to extend the term of office of the present Panel and Pharmaceutical Committees to July 15, 1919, and of the Insurance Committee to June 30, 1919. Payments have been made to chemists, on account of February, March, and April, of 314l. 15s. 5d. The report of the West Midlands Joint Committee for 1917 stated that the number of prescriptions priced during that year was 2,054,566, of which Smethwick's moiety was 75,243. The cost of pricing to the constituent Committees totalled 1,634l. 16s. 11d., the amount payable by the Smethwick Committee being 59l. 17s. 1d.

#### Sugar in the Vegetable Kingdom.

THE importance of sugar was never more appreciated than it is now, and in view of the fact that sugar occurs in most vegetable substances one is led to inquire as to the amount which is taken with everyday articles of diet, especially those which are home-grown. Carbohydrates in some form those which are home-grown. Carbohydrates in some form or other are present in all plants, but not always in such a convenient or assimilable form as ordinary sugar or sucrose. The pharmacist is accustomed to confine his attention to the sugar derived from the sugar-cane or beetroot, but there are many other sources of sugar. The yield, however, is not so great as in the two mentioned. The relation of starch to sugar and the power which the juices of the body have to change this substance into sugar make starch body have to change this substance into sugar make starch a valuable food if rightly dealt with and properly digested. That human beings do not deal with their food-material in a proper way is well known, both as far as the cooking goes as also the digestive process. It is said of a great statesman who lived to be a very old man that he had made it a life-long habit to chew every morsel of solid food thirty times. There is much in this statement, for there are many persons who bolt their food very much like dogs, haste and bad teeth being usually the cause. One has often noted the sweetness of onlone carrets parsnips and other haste and bad teeth being usually the cause. One has often noted the sweetness of onions, carrots, parsnips, and other common vegetables, and it may be of interest to note what amount of sugar some of these contain. In the text-books a difference is not always made between the sugars sucrose and glucose, although there is much difference in their power to impart sweetness. In the advertisement-pages of the C. & D., Howards & Sons, Ltd., have taken up an important item of culinary interest in advising housewives to neutralise the excessive acidity of rhubarb, or at least diminish it by the addition of pure sodium bicarbonate before adding sucrose to sweeten. The organic acids have the property of changing sucrose to glucose, and so reducing before adding sucrose to sweeten. The organic acids have the property of changing sucrose to glucose, and so reducing the sweetness of sugar. Incidentally, the loss of sucrose requires more to be used to ensure the sweetness necessary to the average "sweet tooth." The published analyses of the composition of foods do not as a rule differentiate between the several constituents which go to form foodstuffs—viz., water, proteids, fat, carbohydrates, fibre, and mineral matter—and one has to search through many text-books to arrive at the particular figure which is in mind at this moment. moment.

Onions.—The carbohydrates vary between 4.2 and 34 per cent. (garlic), but in the latter oase it is well known that much of this constituent is not sugar but mucilage, which does not possess much sweetness, nor is it transformed by does not possess much sweetness, nor is it transformed by the ptyalin of the saliva into sugar, as starch and similar bodies are. The average proportion of sugar—i.e., dextrose and lævulose—in the fresh raw onion is 5 per cent., and may rise to 10 per cent. Included in this class are garlic, shallots chives, and leeks.

Turnips, of which there are numerous varieties, contain from 3.5 to 5 per cent. of sugars which are fermentable, rising to from 6 to 10 per cent. in that variety known as swedes. Starch is absent.

Starch is absent.

Carrots.—The roots of this umbelliferous plant have been much cultivated in this country since their introduction by Flemish refugees in the reign of "Good Queen Bess." Professor Attfield investigated the nature of the sugars in carrots, and found dextrose and levulose and a little mannita (which however is not necessary). carrots, and found dextrose and levulose and a little man-nite (which, however, is not now classed as a sugar). Atwater says cane-sugar is present to the extent of 3.6 per cent., and fruitsugar (i.e., dextrose and levulose) 3 per cent., its amount being such that 1 ton of corrots would produce 12 gals. of 90-per-cent. alcohol. It seems clear that much of these valuable ingredients is lost when the usual method of cooking carrots is followed. In soups the Parsnip: These have been grown from time immemorial.

and excellent wine can be made from them, which is said to resemble Madeira in flavour. Parsnips contain fermentable sugars to the extent of 3 to 7 per cent., and from the fermented liquor an excellent spirit is obtained.

Jerusalem articlookes, which came to us from North America in 1616, contain according to the contains accor

Jerusalem artichokes, which came to us from North America in 1616, contain, according to the estimations of Payen and Fevery, as much as 15 per cent. of sugar, which, being soluble, is lost in the process of cooking unless the liquor in which they have been boiled is used for sauces or soups. Being of the N.O. Compositæ, these roots contain inulin, about 2 per cent. being present. Inulin has a chemical composition resembling starch, except that it is soluble in water. Their use has been suggested in mild cases of diabetes.

soy, a dark, sweet treacle-like liquid, is made from soy-beans, and is a favourite ingredient in Worcester and similar beans, and is a favourite ingredient in Worcester and similar sauces. Young leguminous seeds are sweeter than older ones, the amount of sugar present in the dried samples varying from 3 to 30 per cent., chiefly cane-sugar. The dried locust-bean (Ceratonia siliqua), or St. John's Bread or carob-bean, contains 50 per cent. of sugar; hence the affection that the schoolboy has for this delectable.

Polatoes do not contain much fermentable sugar, 0.5 to 4 per cent. being the range and the average of numerous analyses only 1.5 per cent. It is for its easily assimilable starch that this tuber is specially grown.

Cereals do not contain much sugar, about 1 per cent. being the average, although the amount may rise to 4 per cent., as in barley. The sugar is in the form of cane-sugar or

Green vegetables .- The proportion of sugar present in these varies considerably according to age and variety, but the quantity is not large. Cabbages contain 3 per cent, cauliflowers 2 per cent., spinach 0.1 per cent., celery 1 per cent., while in cucumbers there is but a mere trace.

Abel Scholar.

#### Pharmaceutical Society of Cape Province,

A GENERAL MEETING was held at the Society's room, Darling Street, Cape Town, on April 18. There were present Messrs. D. L. Petrie (President), C. F. Spruce (Secretary), S. W. Hill, J. Sowden, H. P. Marshall, C. Corrigan, R. Oxenham, W. Asher, A. Blair, G. Burton, T. J. Hughes, Graham, J. Main, G. Smith-Houghton, Mann, Smith, and Dr. Froembling. Correspondence was read from the "Association of Municipal Corporations of the Cape Province," again asking for the opinion of the Society "on the advisability of representations being made to Government with a view to legislation being enacted whereby vendors of 'patent medicines' would be compelled to make known on the box, bottle, or tin-lid the ingredient contained therein." This question was addressed to the Society last year, and the Secretary was then instructed to ask the A.M.C.C.P. for a "definition" of the term "patent medicine," on receipt of which the matter would be further discussed. The A.M.C.C.P. replied, giving a short list of medicines as examples of the preparations aimed at, which list included "Curlue," "Domi's Pills," "Chamberlain's Remedies," "Pink Pills," "Doan's Pills," "Chamberlain's Remedies," "Pr. Cassel's Tablets," "Veno's Cough Cure," etc. They further suggested that the Society could better define the class of medicines, as they would best know how A GENERAL MEETING was held at the Society's room, Darling define the class of medicines, as they would best know how to differentiate. After some discussion, the Secretary was instructed to write the A.M.C.C.P., stating that, in the absence of a complete list of the medicines aimed at, a clear "definition" is essential. Such a definition the Pharmaceutical Society have been unable to frame.—A letter was read from the Eastern Districts Pharmaceutical Association with reference to the Medical, Dental, and Pharmacy Bill. Recommendations for amendments to the Bill were enclosed, with a request that the Cape Society co-operate. After discussion, it was resolved that the Secretary write pointing out that the recommendations of the E.D.P.A. are very define the class of medicines, as they would best know how discussion, it was resolved that the Secretary write pointing out that the recommendations of the E.D.P.A. are very similar to those of the Cape Society which have already gone forward, and to say that the Cape Society will be pleased to meet any delegates of the E.D.P.A. should they come to Cape Town in connection with the Bill. There appears to be some doubt if the Medical, Dental and Pharmacy Bill will come before Parliament during the present Session, and it was resolved to write to the Minister in charge of the Bill for definite information on the point. Mr. Smith-Houghton asked if the Recruiting Committee had approached the Society in connection with the present recruiting eampaign, and received a negative reply. He pointed out the totally inadequate pay offered by the Defence Department in their advertisements for qualifical dispensers, and thought the Government should be approached in the matter. Mr. Petrie said it was reported that certain general dealers in Cape Town were exposing for sale medicines containing scheduled poisons, and it was decided to write to the police authorities fundaments. decided to write to the police authorities? forming them of the matter and asking them to take action to prevent a continuance of illegal sales. Mr. Smith brought up the matter of unqualified dispensers employed by Government. in their various institutions, asylums, etc., and this will be placed on the agenda for discussion at the next meeting. The formation of a Golf Club for chemists was next discussed. Mr. J. Main gave the meeting the benefit of his experience of such a club in Johannelburg, and it was Soy-beans contain from 6 to 7 per cent. chiefly sucrose.

Soy-beans contain from 6 to 7 per cent. of sugar. Indian

#### Trade Report.

42 Cannon Street, E.C. 4, June 13. 3 p.m.

The week under review has again been devoid of any feature of interest, buying being chiefly from hand to mouth. Values, however, are well maintained, with the exception of fine chemicals, among a few of which there is a steady decline, due partly to increased home production and lack of market support. Import and export licences are still being granted very sparingly, shipping space being more than ever reserved for urgent Government requirements, so that the rationing of supplies draws nearer, and it looks as if the nation will have perforce to get along with a minimum quantity of many products. Hitherto the United States parcel nost has been freely drawn upon for bringing in imports quantity of many products. Hitherto the United States parcel post has been freely drawn upon for bringing in imports of medicinal chemicals, but this is to cease from June 30. Imports from France are practically at a standstill owing to the stoppage (temporarily, let us hope) of both the Petite and Grande Vitesse. The few market changes include an advance in canary-seed, gingers, peppers, and linseed oil. Gentian and lemon oil are firmer. English taraxacum, gum acacia, resorcin, and phenacetin are easier. Farina and agar-agar are lower. Ergot is still very scarce and tending dearer. Menthol is firm; W.I. tamarinds are still unobtainable, and carnauba wax is now free from official control.

Higher	Firmer	Easier	Lower
Canary-seed Ginger Linseed oil Nutmegs Peppers Turmeric (Madras)	Albumen Gentian Lemon oil	Gum acacia Phenacetin Resorcin Taraxacum (Eng.)	Agar-agar Arsenic Farina

ACETANILIDE is unchanged. That stocks are becoming low is evidenced by the fact that the chemical has been transferred to "A" list of exports—i.e., prohibited to all destinations. Meanwhile the Governments have granted permits for further imports.

AGAR-AGAR is cheaper, with No. 1 Kobe strip offering at 3s. 6d. on the spot, and to arrive April-June shipment has been sold at 3s. 3d. per lb. c.i.f. On p. 50 of our last issue the total annual value of the production in Japan should

have read 3,000,000 yen, and not as printed.

ALBUMEN is firmer, with sales of Chinese prime egg at 4s. 6d. to 4s. 7½d. on the spot, and for afloat 4s. 7½d. c.i.f.

has been paid.

ANISE OIL, STAR, is slow of sale, with "Red Ship" brand offering at 4s. 5d. on the spot, and at 4s. c.i.f. to arrive.

Antimony.—There has been a fair number of small resale lots of both foreign regulus and crude metal, which were sold at comparatively low prices down to about 74. and 44. per ton respectively, but this material has been pretty well cleared out, and the firm attitude of importers is maintained, their ideas being 78. and 45. to 46. respectively. tively for the comparatively restricted quantities now left

on their hands.

on their hands.

ARSENIC.—The market seems pretty well demoralised as the outcome of the various pressing offers of outside material of comparatively inferior quality. Agents of Cornish mines seem inclined to make a stand at about 103%, per ton delivered London for 10-ton lots and more, asking up to 108% for limited quantities, but buyers are holding off, believing to be able to get in considerably cheaper later on. Australian has been sold at around 100%, and yellowish African grades are obtainable at less. Consumption undoubtedly continues large, but evidence is not wanting that supplies will continue in excess of the demand for some time, so will continue in excess of the demand for some time, so that the tendency should be downward in spite of possible spasmodic rallies.

Aspirin.—It should be emphasised that there is still a

considerable difference in the quality of the various makes on this market, a fact which discriminating buyers must take into consideration when prices are quoted. Some English makers of B.P. quality or better are able to obtain 12s. 6d. per lb., and have plenty of orders on hand, while in

the open market imported aspirin, not always of B.P. quality, is offered at 12s., and even less.

BARBITONE.—Further stocks which have arrived are offered at from 105s. to 110s. Soda diethylbarbituric is quoted at about 130s.

Benzoic Acid appears to be offered a little more freely on the market, but prices are unchanged at from 18s. 6d. to 19s. net.

BISMUTH.—The position in regard to the imports continues satisfactory (the figures, however, are not published), and the metal remains well under official control at the fixed price at 12s. 6d. per lb. It is understood that fair quantities are coming from Australia, but the bulk of our resources

are coming from Australia, but the bulk of our resources emanate from South America, and the greater part of supplies from these two sources is being handled by English refiners. There is every indication of ample supplies for the future in spite of the enlarged demand.

Brownders.—Confirming our statement last week as to the Government purchases of bromides from the U.S.A., it may be assumed that these will be rationed to the wholesale drug-trade, and it is reasonable to expect that a reduction will take place in price next month. There will not, of course, be sufficient to supply all wants, so that recourse will have to be had to Japanese, of which further consignments may be expected. The Government entering the market as a purchaser is a new development in fine chemicals, and the immediate future will be watched with interest. Potash the immediate future will be watched with interest. Potash

the immediate future will be watched with interest. Potash crystals are 10s. 3d. to 10s. 6d., soda 5s. 6d., and ammon., which is comparatively scarce. 11s.

CAFFEINE.—Large arrivals of Japanese caffeine have taken place in New York, and the market there is easier, in spite of the fact that the importation of tea-dust and siftings for the manufacture of caffeine is practically prohibited.

CAMPHOR OIL.—White essential appears to be offered in single cases only, and the value is about 170s. per cwt. The exports from Japan during February amounted to 4,828 kin, valued at 2,334 yen. During the two months ended February the exports were:

1916 23,897 22,550 187,805 \*\*\* 4,883 35,283 5,570 Yen

CAMPHOR (REFINED). - Japanese slabs are steady at 4s. to 4s. 6d. per lb. on the spot, and sales afloat have been made at 4s.  $3\frac{1}{2}d$ . c.i.f.;  $\frac{1}{4}$ -oz. tablets are quiet at from 5s. 3d. to 5s. 6d. on spot. The exports from Japan during February amounted to 206,767 kin, valued at 371,142 yen. During the two months ended February 28 the exports were as follows:

		1916	1917	<b>191</b> 8
Kin		998,463	471,180	307,265
Yen	•••	899,424	673,134	558,466
The destinations v	vere	as follows:		
		1916	1917	1918
To		Kin	. Kin	Kin
British India		220,859	95,114	112,183
Asiatic Russia		24,484	_	_
Great Britain	•••	259,474	<b>16,17</b> 8	97,636
France		104,298		_
United States	•••	364,975	345,361	53,758
Australia		11,215	331	15,159
Other countries	š	13,518	14,196	28,529
		998,463	471,180	307,265

CANARY-SEED is dearer owing to scarcity and a good emand. Ordinary to good quality is quoted 225s. to 230s. demand. Or per quarter.

per quarter.

CANNABIS INDICA.—The Michigan State Association of Ginseng Growers has issued a statement on conditions with respect to the progress of cultivation of domestic botanical drugs, in the course of which it states that "very good success has been obtained in the cultivation of cannabis indica, not only for the making of hemp twine and ropes, but the tops (capsules) are taking the place of Bombay tops in the distributed of the conditions or forwardles. but the tops (capsules) are taking the place of Bombay tops in the drug-trade. If crop conditions are favourable a very good quality of tops will be harvested in sufficient quantity to go round."

CASCARA SAGRADA.—The deliveries during May amounted to 11 tons, the landings in London being nil. The London stock on May 31 was 32 tons, against 54 tons in May 1917. The spot quotation remains at 1503, per cwt.

CHLORAL HYDRATE at the present spot price of 13s. per lb. set in hand for crystals is comparatively chean, and seems

net in bond for crystals is comparatively cheap, and seems worth attention in view of the scarcity which is bound to arise.

CITRIC ACID is steady at 3s. 5d. per 1b.

COCAINE.—A few sales of hydrochloride have been made during the week, and the position remains as firm as before, makers being very reluctant to offer for forward delivery in view of the scarcity of naw materials.

CORIANDER-SEED is steady at 65s. per cwt. for fair Morocco on the spot, and further business has taken place in new crop at 40s. to 41s. 6d. per cwt., c.i.f. terms. CREAM OF TARTAR.—Imports are becoming rather more frequent, and 98-per-cent. powder is obtainable at 420s.

per cwt.

COD-LIVER OIL .-- Our Bergen correspondent writes on June 5 that the past week gave pretty fair results for the Finmarken fishing. The official reports to June 1 are as follows:

Finmarken,

		1916	1917	1918
Catch of cod (millions)	•••	6.0	2.4	7.1
Yield of c.l.o. (hect.)	•••	6,050	1,950	3,200
Liver for "raw" oils (hect.)	•••	5,100	4,100	9,300
m1 .11.	4			

The whole country. 47.7 23.8 21.4 33,600 18,200 4,100 12,000 Catch of cod (millions) ... 55,800 Yield of c.l.o. (hect.) ... ... Liver for "raw" oils (hect.) 5,100

CUMIN-SEED continues slow of sale at 57s. 6d. to 65s. per cwt. for fair to good Morocco.

DILL-SEED is unchanged at 59s. per cwt. for good clean

East Indian.

East Indian.

FARINA is quiet, and about 5s. cheaper, No. 1 Japanese offering on the spot at 75s. per cwt., at which business has been done, also July-September shipment at 75s. c.i.f. Sweetpotato flour is also lower, with sellers of July-September shipment at 70s. c.i.f.

FENNEL-SEED is quoted 57s. 6d. per cwt. for East Indian.

FENUGREEK-SEED is steady at 40s. to 41s. per cwt. for fair

Morocco.

FORMALDEHYDE.—In confirmation of what we wrote last week it is probable that the Government notice taking over the chemical will be gazetted in a few days. It is apparent that it will only be supplied to buyers who require it for urgent and necessary work, the importance of which the Government will decide.

GENTIAN is firmer, sellers asking 95s. per cwt. on the spot.

Gentian is firmer, sellers asking 95s. per cwt. on the spot. Ginger is dearer, the sales including washed Cochin at 97s. 6d. and Calicut at 95s. Common to good common Jamaica is 112s. 6d. to 115s., and medium to good 120s. to 125s. Japanese and Sierra Leone is 92s. 6d. on spot. Glucose.—There appears to be nothing obtainable on the open market, and makers only supply their regular consumers, who are required to furnish a licence authorising the purchase. A licence is also required to purchase supplies of farina, dextrin, starch, manioca, ctc.

Gum Acacia is easier, with Kordofan sorts offering on the spot at 85s., and May-June shipment at 77s. 6d. per cwt. c.i.f.

Hexamine is offered at from 10s. to 10s. 6d. per lb. on the spot. Small lots keep arriving through the parcel post from U.S.A., but these will cease after June 30.

Honey.—For want of a lead from the grocery houses the

HONEY.—For want of a lead from the grocery houses the market fell flat last week, but after the auction a number of sales were made on the basis established in the sale, including good pale set Cuban in barrels at 180s. per cwt.

HYDEROQUINONE.—Small pareels continue to arrive, and there seems to become the result of the sales of the sales.

these seem to keep the market supplied, dealers offering at about 18s. to 18s. 6d. on spot.

Lanoline.—The number of makers in this country is more than sufficient to supply requirements, and the over-production is to be regretted, as prices have been driven down

inordinately, with the consequent cessation of manufacture. Anhydrous, B.P. quality, is quoted at from 1s. 7½d. to 1s. 9d., according to style of packing, and hydrous at 2d. less. LEMON OIL.—The firmer tendency is maintained, and values compared with other essential oils are still very low. Spot prices are from 4s. to 4s. 2d., and to come forward from 3s. 10d. to 4s. c.i.f. is quoted, as to shipper.

Liquorice.roor.—Cut decorticated Italian is offered at 155s. per cyt., and recently several tops of pretural Italian.

Elguorice-Root.—Cut decorticated Italian is offered at 155s. per cwt., and recently several tons of natural Indian have been sold at 140s. Indian, according to analysis, is said to contain 6 to 7 per cent. glycyrrhizine, against 1½ to 2 per cent. Sicilian and Italian.

MENTHOL is firm, with Kobayashi offering at 14s. and Suzuki at 13s. 10½d. on the spot, at which business has been done. Sales to arrive for July-September shipment include Kobayashi Suzuki at 13s. 6d. and demonstration of ill at 7s. 6d.

Kobayashi-Suzuki at 13s. 6d. and dementholised oil at 3s. 6d. c.i.f. The exports from Japan during February amounted to 12,592 kin, valued at 79,535 yen. During the two months ended February 28 the exports were as follows:

Kin	512,508	1917	1918
Yen		48,006	27,894
The destinations w		316,374	165,815
To British India Great Britain France United States Other countries	42,377 9,946 23,410	1917 Kin 801 13,088 - 31,157 2,960 - 48,006	1918 Kin 5,071 4,483 17,465 875 27,894

METHYL SALICYLATE is offered at from 11s. to 11s. 6d. per lb. on spot. The U.S.A. has an embargo on exports, and on this side no licences to import are being granted, so that requirements may be the subject of official action.

Milk-sugar.—A shipment of 63 casks and 245 barrels has arrived in Liverpool, but they are mostly sold to arrive at considerably below what spot holders ask. We believe prices have reached their maximum, and will gradually recode, as there is every prospect of milk-sugar being officially regarded as a foodstuff, in which case it will receive priority of shipment from U.S.A. In view of a rather better political feeling between Holland and Great Britain supplies from the former country may be available shortly.

MINT OIL.—Japanese dementholised is firm at 4s. for Kobayashi and 3s. 10½d. for Suzuki on the spot, and for July-September shipment sales have been made at 3s. 6d. c.i.f. The exports from Japan during February amounted to 4,893 kin, valued at 9,839 yen. During the two months

to 4.893 kin, valued at 9,839 yen. During the two months

ended February the exports were:

1916 1918 1917 80,189 10.695 13.038 ... 183,324 29,131 22,606 Yen...

Musk.—The "New York Commercial" (May 16) reports that one prominent holder has disposed of his stock of Tonquin pods at \$37, and the price now asked is \$40, against \$22 to \$25 previously. Synthetic musk (Ambrette) has advanced in semanthy to \$35

to \$25 previously. Synthetic musk (Ambrette) has advanced in sympathy to \$85.

PARALDEHYDE is selling at 11s. per lb. for B.P. quality. PEPPERS are firm, the spot value of fair black Singapore being 1s.  $6\frac{1}{2}d$ ., at which sales have been made; Tellicherry is 1s. 7d., and Aleppy is 1s.  $6\frac{1}{2}d$ . Muntok white has been sold at 2s. 9d. to 2s.  $10\frac{1}{2}d$ ., and there are buyers of Singapore at 2s.  $8\frac{3}{4}d$ .

PHENACETIN is selling at about 25s. per lb. on the spot; but the position is admittedly weak, and a further reduction

but the position is admittedly weak, and a further reduction appears inevitable.

PHENAZONE.—The stoppage of exports from France will compel buyers to fall back on existing stocks. There is a little price-outting taking place, fair current value being 47s. 6d., with a possible recovery, if the railway traffic situation in France does not improve.

POTASH PERMANGANATE.—There is a prospect of new supplies coming to this country at prices showing a substantial reduction on those now asked.

POTASH SULPHOGUATE is offered to come forward as

POTASH SULPHOGUAIACOLATE is offered to come forward at 92s. 6d. per lb.
RESORCIN.—Supplies are coming forward more freely, and

RESORTIN.—Supplies are coming forward more freely, and prices are easier at from 45s. to 47s. 6d. per lb.

RHAPONTICA.—Chinese rough round High-dried is offered at from 9d. to 1s. per lb., according to holder and quality.

SACCHARIN remains firm, and further sales by responsible importers have been made at 257s. 6d. per lb., duty not paid, for 550 strength U.S.P. The spot supplies are small, but further lots are afloat. The demand, however, is good, and the fact that licences to import have again been refused by the Food Controller seems a short-sighted policy in view by the Food Controller seems a short-sighted policy in view of requirements of the aerated-water maker, who has to depend on uncontrolled saccharin.

depend on uncontrolled saccharin.

SALICYLATES.—The position of salicylic acid as yet shows no signs of improvement, and keen competition exists among the English makers; supplies of B.P. powder can be bought readily at 4s. 6d. per lb. The supplies from the United States have fallen off, and it is unlikely that we shall see much from that quarter, as the price is not sufficiently attractive to compete. Sodium salicylate is unchanged at from 6s. 6d. to 6s. 9d. for B.P. powder.

SALOL is offered at 10s. per lb. on spot, with little arriving. SHELIAC continues quiet, the spot value of usual standard TN Orange quality being 335s., and I.G. Garnet 335s. To arrive, May-June shipment of TN Orange is quoted at 305s. c.i.f., AC Garnet at 315s., and pure button 325s. c.i.f. SODA HYPOSULPHITE.—Supplies are still difficult to find, with 60l. per ton asked for ordinary crystals.

SQUILL remains plentiful on spot, good white offering at

SQUILL remains plentiful on spot, good white offering at

from 50s. to 55s.

TAMARINDS.—West Indian are still unobtainable and badly wanted; last sales appear to have been at 90s. for West

TANNIC ACID.—No arrivals are taking place from the U.S.A., as the chemical is not a vital one. Leviss is quoted

TARAXACUM.—Demand having proved disappointing, prices of English are easier by 5s., with offers at 120s.

THYMOL.—Supplies from India are being imported and sold

TURMERIC.—Small sales of Madras finger have been made at 100s. on the spot, an advance of 5s. on previous prices; there are buyers of split Cochin bulbs at 55s., sellers asking

Vanillin is steady and unchanged at 70s. from makers.

WAX, CARNAUBA.—The notice given by the Army Council on July 11 as to the taking possession of stocks is can-celled (see p. 34). Sales of waxy grey are reported at 280s. Zinc Dust.—The demand continues in excess of the supply, while shipments from Australia remain rather difficult owing to freightage shortcomings. High-grade Australian easily commands 108l. per ton for fair-sized lots f.o.r. U.K. ports, retail lots selling at more money. There is but little lowretail lots selling at more money. There is but little low-grade English to be had at between 80l. and 85l. delivered from works.

#### Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool. Particulars of imports of oils, oilseeds, nuts, fats, gums, ctc., are not now published.

To London
(May 25 to 31)
Antimony, ref., 120 tons Bronze powder, 11 cs. Canary seed, 4,679 bgs. Chemical mical products, unrated, 27 cs. 9 pkgs. 148 brls. Arsenic, 200 cs. Gream of tartar, 49 Phenazone, 5 cs. Potash iodide, 20 cs Potash permang., 15 Saltpetre,13,662 cwt. Soda hyposulphite, Soda oxalate, 14 cks.
Tartars, 219 cks.
558 bgs.
Tartaric acid, 100 Verdigris, 5 cks. Drugs, etc., unrated, 6 bgs. and 26l. Anise, star, oil, Anise, Cumin seed, 100 pkgs. Lavender flowers, 20 sks. Orris, 12 bgs. Quillaia, 180 bls. Scopolia root, 95 pkgs. Senna, 160 bls. Sloes, 59 bls. Stavesacre seed, 70 bgs.

Dyc stuffs, dyeing and materials, tanning materials,

To London

(June 1 to 7). Antimony reg., 10

Bronze powder, 44 cs. Canary seed, 600 bgs. Chemical products, etc.,

unrated, 4 cs. 42 cks. Arsenic, 500 cwt.

Arschic, 500 cwt.
Barbitone, 4 cs.
Borax, 49 cwt.
Boric acid, 108 bgs.
Camphor, 200 cs.
Cream of tartar, 40
kgs. 87 cks.

Guaiacol carb., 1 cs. Potash bicarb., 54 cs.

Potash bromide, 25

guaiac., 1 cs. Quininc, 704 oz. Soda cacodylate, 2

Soda formate, 5 kgs. Soda, unrated, 1 cwt.

Tannic acid, 20 cs. Tartaric acid, 50 cks.

Dental goods, 106/., Drugs, etc., unrated, 31/.; herbs, dried, 9

bls.
Basil-leaves, 4 bls.
Chamomiles, 12 bls.
Eldcrberries, 11 bgs.
Frangula-bark, 9 bls.
Henna-powder, 8 bls.

Insect-powder, 80l. Ipecacuanha, 25 bls.

Menthol, 50 cs. Senna, 86 bls.

permang.,

sulpho-

Potash

Potash

15 cs.

tons

etc., unrated, 85 pkgs.: gambier, 185 bgs.; logwood, 84 tons; logwood ext, 504 cks.; my-rabolans, 1,845 bgs.: tanner's bark, 8 tons Gelatin, 6514. Loofahs, 6411. Perfumery, unrated (mostly raw materials), 1,079*l*.; toilet powder, 1,892*l*. Plumbago, 226 cks. unrated toi-Plumbago, 226 cks.
Soap, toilet, 1,016l.
Starches (cwt.), dextrin, 100; farina,
5,154; potato, 1,762; wheat, 820
Talc, 800l.
Wax (not described),
43 bgs. 159 bls.
108 es.
Wax, paraffin (cwt.),
307; scale,2,140
Zinc oxide, 10 cs.
To Liverpool
(May 27 to June 1)
Chemicals, etc.: Chemicals, etc.: Argol, 541 bgs. Calcium borate, 6,564 Cream of tartar, 90 cks. Iodine, 64 kgs. Milk sugar, 50 brls. Monochlor-beuzol, 24 drms. Quinine, 625 cs. Soda caustic, 36 pkgs.
Soda hyposulphite, 19 cks. 31 cs.

Soda nitrate, 15,173 bgs. Tartaric acid, 12

Tartaric acid, 12
brls.

Drugs, etc., unrated,
61 bags 87 pkgs.
and 31.; medicinal stores, 132 cs.
Balsams (not ,described), 305 cs.
Cod-liver oil, 50 brls.
Copaiba, 132 cs.
Liquorice root, 48
bgs.

bgs.
Sarsaparilla, 78 bls.
Vanilla, 5 cs.
Dye stuffs, dyeing,
tanning materials,

ye stulis, dyeing, tanning materials, etc.; chestnut tan-ning ext., 910 pkgs. 1,701 cks.; Natal bark, 106 bgs.; su-mach leaves, 480 bls.; sumach,ground, 1,121

sumach,ground,1,121 bgs.: tanning ext., 2,218 cks. 4,400 bgs.; wattle bark, 2,152 bls.; ground, 102 bls. Ginger, 584 bags Plumbago, 2,019 bags, and 6,374!. Starches (bags), 100; manioc farina, 1,500; potato, 34

manioc farina, 1,500; potato, 34
Talc, 1,940 cwt. and 2,890 bgs.
Wax, bees', 6 brls. 165 bgs.
Wax, paraffin, 1,163 bags; scale, 815 brls. and 30 tons Zinc oxide, 1,696 brls.

Dycstuffs, dyeing materials, etc., unrated, 74 pgks.; cochineal, 2 cs.; hemlock ext 74 pgks.; coclinear, 2 cs.; hemlock ext., 238 cks.; mimosa ext.,solid, 4,472 bgs.; myrabolans, 6,000 pockets 3.195 bgs.; tanners' bark, 178

Gelatin, 7,5701.

Perfumery, etc., un-rated, 29l.; toilet-powder, 300l.; toi-let-preparations, 74l. Plumbago, 34 brls. 78 cks

Plumbago, 34 brls, 78 cks.
78 cks.
Starches (cwt.): dextrin, 20; farina, 10,573; potato
34,327; wheat, 593
Wax, not described, 107 bgs. 345 cs.
Wax, parafiln (cwt.), 3,117; scalc; 2,800
Wax, vegetable 75 bgs. 50 cs.

50 cs.

To Liverpool (June 3 to 8). Casein, 125 bgs.

Chemical products, etc. Antimony salts 15 cks. Argols, 19 sks. 728 bgs.

Arsenie, 77 cks. Borie acid, 708 cks. Calc. glycerophosph., 2 cs. lc. silicate, 375 drms.

Coumarin, 1 cs.
Cream of tartar, 80
kgs. 6 cks.
Formic acid, 36 cks.
Hexamine, 10 kgs. Hydroquinone, 6 cs.
Iodine, 344 kgs.
Mcthyl salicylate,
23 cs.

Milk sugar, 63 cks. Saltpetre, 1,189 bgs. Soda chlorate, 500 kgs. Soda nitrate, 92,915

bgs. Soda nitrite,177 cks. Soda salicylate, 36 kgs.

Tartaremetic 6 cks. Tartaric acid, 4 brls. 44 cks.

Drugs, etc.:
Ergot, 14 bgs.
Guinea grains, 10 bgs. Liquorice - root, 53 bgs.

Sarsaparilla, 23 bls.
Dyestnffs, dycing and
tanning materials,
etc.; cutch, 200 bxs.;
fustic ext., 250 cks.;
myrabolans, 4,000
pockets; tanning
ext., 74 brls.; sumach, 8,483 bgs. 400
bls. 648 cks.
\*Plnmbaco, 257 bgs.
and 3471.
Talc, 4,129 bgs. 170
sks. Sarsaparilla, 23 bls.

sks.
Wax, bees', 377 pkgs.
Wax, paraffin, 4,190
bgs,

Zinc oxide, 106 brls.

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Future of Pharmacy.

SIR,—I respect the comments of "Xrayser II." in the  $C. \notin D$ ., June 8, p. 41. He is a hard-headed perforator of fallacies, and with sufficient affection for the art of pharmacy and its progression into legitimately scientific spheres to endorse my views on the blind commercialism of presentto endorse my views on the blind commercialism of present-day retail pharmacy. My plca was for consistency, and if I sneered at the drug-grocer it was equally directed at myself, since I am one of the rabid examples of this class, and have no illusions as to trade necessities in the conduct of retail pharmacy to-day. I complain that pharmacy as now interpreted by retail pharmacies is a chimerical sham, and offers no return for our pharmaceutically-invested labours. Unless we make pharmacy a worthier career for prospective entrants we are perpetrating a deliberate fraud by encounaging candidates on existing lines. "Xrayser II." asks whether I would have pharmacists following the another and the another pasks whether I would have pharmacists following the another and the another process of the control of th asks whether I would have pharmacists following the apotheasks whether I would have pharmacists following the apothecaries into the profession of medicine, and my reply is that if we seek a scientific future this will be a natural and expedient course. The subject of public health is all embracing, and the relationship between every class which serves it indestructible. To-day we are able to demonstrate tho stupidity of antagonism between doctors and pharmacists, except in that restricted sphere of medical benefit under the National Insurance Act, where the Government work it for counter-checking purposes to the serious financial disadvantage of both. The long view of the subject is to envisage a medical organisation which includes pharmacy as a necessary department, operated by chemists with a as a necessary department, operated by ehemists with a limited licence. The establishment of penal eodes or disci-plinary rules will ensure regularity in pharmaceutical behaviour. State control of health will demand that the present watertight systems of service shall be merged into one great co-operative whole, for it is only thus that medical service may act with expedition and efficiency. In safeservice may act with expedition and efficiency. In sate-quarding the public health you dare not promote altruistic ideals on the one hand and permit the traffic of irregular methods on the other. In short, the blessed word "co-ordination" fits the case. The steps taken under the Venereal Discase Act are some indication of the current of medical thought, which knows that ultimately, with the development of an intelligent public opinion, no disease will escape restrictive routine methods of treatment, and this irrespective of the social status or financial degree of individuals involved of the social status or financial degree of individuals involved therein. Where is pharmacy in this future, and how shall it attain to the niche Mr. Rowsell claims for it other than by maintaining the purely scientific conditions of the Pharmaceutical Society? The men who have lost faith in pharmacy and wish to plunge bald-headedly into business are free to do so, but the responsibility cannot be faced or the problem solved by degenerate acts of this kind. It is to be hoped that the Society's invitation to Dr. Christopher Addison, M.P., to deliver the inaugural address at the opening of the next session of the School of Pharmacy will be accepted, and the spirit of reconstruction with which he is so vitally the next session of the School of Pharmacy will be accepted, and the spirit of reconstruction with which he is so vitally concerned may be brought to bear with considerable energy in our midst. The only permanent and abiding foundation for the future is the eo-ordination of every legitimate department ministering to public health, governed by singleness of command and purpose. Under such an organisation we may discover the golden thread which our youthful entrants to pharmacy and medicine may follow in the pursuit of a career worthy of their highest effort and ambition.

Faithfully yours,

Sudney F. Body.

The Supply of Saccbarin.

The Supply of Saccharin.

Sir,—I notice in the C. & D., June 8, p. 49, that licences have been refused to importers of American or uncontrolled saccharin. In consideration of what America is doing at the present time for England and her Allies I scarcely think this is the right time to withdraw supplies of saccharin when England is at the present time in need of it in order to save sugar, which is so much needed for the soldiers, sailors, and wholesale grocers, etc. Most probably the authorities have overlooked these facts.

Yours, etc.,

Thos. D. SNEATH.

- 15

SIR,—In the C. & D., June 8, p. 34, it states:

"The deliveries of British-made saccharin to tablet-makers are, we are informed, improving, but it will take a little longer to satisfy completely the abnormal demand. It is hoped that chemists will soon be able to obtain all the saccharin-tablets they desire."

This reads like fiction, but many chemists will believe it, and think their usual suppliers are not looking after their and think their usual suppliers are not looking after their interests when supplies of tablets are not forthcoming. We have rationed all our regular customers, and there are still many hundreds who have not yet received their first small supply, and at the present rate of delivery of British saccharin it will be menths before we can send a second supply. The Drug Club and the Chemists' Supply Association have undertaken to allocate the saccharin to tablet-manufacturers, and we are assured that allocations are made in proportion to their output. During the two years previous to the introduction of the fixed-price tablets, our output necessitated our arranging for an average weekly previous to the introduction of the fixed-price tablets, our output necessitated our arranging for an average weekly supply of 150 lb. saccharin, and we had no difficulty in doing this. Extra machines since released necessitate a supply of 200 lb. weekly. For this quantity we have applied. The allocations of saccharin made to us since April 1 last average 29 \(\frac{2}{3}\) lb. weekly, including 35 lb. still undelivered, and which apparently the manufacturers are unable to supply at present. A circular from the Hon. Secretary, Drug Club, dated June 7 (i.e., the day before your issue of June 8 appeared) reads as follows:

"Saccharin.—I regret that J have had no saccharin supplies at

"Saccharin.—I regret that J have had no saccharin supplies at my disposal for allocation either this week or last. Some two weeks ago manufacturers hoped that they had got over all the difficulties, but such has proved not to be the case. I have had no definite promise as to when the next supplies will be ready to be allocated. At the present moment manufacturers have not cleared off the balance of the previous allocations."

We do not know who supplied the information contained in your issue referred to above, but it appears to us that it is supplied with a view to deceive the trade, who have already been put to serious loss owing to the frequent notices in the trade papers referring to supplies of Britishmade saccharin. We are of opinion that even if an output of 2 tons weekly were reached this will not be nearly sufficient to meet the demand; apparently, however, the present output is a mere fraction of this quantity.

Yours faithfully,

Jules Denoual & Co.

Jules Denoual & Co. T. Desnos.

Carlton Works, London, S.E. 15.

Price-changes.

SIR,—My letter in the C. & D., June 1, p. 51, complained "some patent-medicine houses" on whose behalf Messrs. of "some patent-medicine houses" on whose behalf Messrs. Sangers took up cudgels in their letter in the C. & D., June 8, p. 51. Personally, I have no fault to find with Messrs. Sangers on the point in question, as their invoices have always been priced, and have come to hand in reasonable time, considering the present difficulties. I gave in my previous letter a definite instance of an overdue invoice for ordinary lines, which took another three days to reach me. The correspondence which I have received during the past week amply demonstrates that the retailer expects as his due some improvement on the part of the wholesaler past week amply demonstrates that the retailer expects as his due some improvement on the part of the wholesaler and maker where this principle and principal business duty is concerned. If, as Messrs. Sangers state, "makers frequently nowadays deliver goods which have advanced in price, but still bearing the old retail price on the containers, without any indication at all that the prices have gone up," then I submit that things look dreary for the retailer who wishes to fulfil his duty towards his customer unless the wholesaler succeeds in pressing for a little improved. retailer who wishes to fulfil his duty towards his customer anless the wholesaler succeeds in pressing for a little improvement from the maker.

Aldsburgh-on-Sea.

Yours very truly,
G. E. WILLIAMS.

Assistants in the East.
SIR,—I have read the letter of "C5" in the C. & D. August 18, p. 55, under the above heading, and can speak from a long residence of one of the countries he mentions viz., the Straits Settlements and Federated Malay States— and have no hesitation in saying his figures are so high that they are misleading. There are no firms here that can afford to pay chemists on their first agreement a starting salary of \$300 per month, and if "C5's" idea was to be of service to assistants who want to come East, he will probably accomplish it by compelling employers to solve the same than the compelling complete the same than the sa assistants who want to come East, he will probably accomplish it by compelling employers to seek other markets for their white labour—viz., Australia and America. Further, there will not be so many Britishers required out East, as Chinese and Japanese are passing a moderate examination in British Colonies which gives them all the privileges of a home qualified chemist, and they are daily getting the trade more into their hands, so the future for the home chemist does not seem too bright. Then there is the educated Indian, who is asking for, and will get, a greater share in affairs than he has done in the past. It is possible for a young man to live on \$100 a month in the Straits Settlements, and to live on \$100 a month in the Straits Settlements, and

many do it even at the present time. This, of course, does not include any luxuries. The trouble with young men nowadays is that they want to start where old hands leave off, and if "C5's" experience is that a man cannot "save a great deal on \$300," that man is not wanted out East; for obviously he cannot manage his own private affairs properly, and therefore would not be a suitable man to put in a responsible position. To know what can be done one must live in a place, and although "C5" has lived several years in the East, I fail to see that that entitles him to speak with authority from India to China. It must be remembered that for the first year a man is not a great deal of assistmany do it even at the present time. This, of course, does that for the first year a man is not a great deal of assistance to his employers, as conditions are so different out here; that it is a period of learning; and that if, as sometimes happens, a man does not turn out satisfactory, the employers are often put to the expense of sending him home again. The question of salaries for men coming out to the East should be gone into thoroughly by an impartial body and laid down so that it would be fair to the employé and employer. S'EEFAIR. (160/6.)

Penang.

The Councillors' Lunch.

SIR,-I notice in your report of the meeting of the Council of the Pharmaceutical Society that Mr. Wolff's resolution regarding the cost of refreshments was supported by the new members, but defeated by the older ones. I feel sure this does not represent the opinion of the majority of members of the Society. If, as one member states, the luncheons on the occasion of Council-meetings afford the only means members have of acquiring informally information regarding the workings of the Society, I think it is quite time we had Councillors who could attend to the business of the Society without this unnecessary expenditure, at least under present conditions, when economy should be the order of the day. I entirely support Mr. Wolff's sug-gestion, and should be glad to see opinions expressed on this Yours truly, matter.

PERCY NORMAN TURNER, M.P.S.

East Sheen, S.W. 14.

Belfast Early-closing.

Belfast Early-closing.

Sur,—I understand that next September, by Act of Parliament, all shops will be closed at 7 p.m. The idea is, of course, to save our coal, gas, etc. This Act is one which should help to emancipate the chemists from their slavery hours, and ought to elevate them in every way if they take it with good grace. I suggest to the members of the Ulster drug-trade to combine and form some sort of social or musical club which would bring the chemists more together. We shall be free after seven o'clock, and we shall be so enamoured with the early-closing scheme that perhaps "time might drag" on us somewhat. Already there has been a golf club formed, which is a step in the right direction. Sincerely yours, VIRX. (101/5.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

"C. & D. has come to hand pretty regularly, and I find it very valuable in keeping one in touch with pharmaceutical matters."—R. J. W., Lieutenant (33/4).

"I have been a reader of THE CHEMIST AND DRUGGIST for three years, and I must say I have received a lot of interesting information from it, as well as useful."—J. G. (169/38).

"I look upon the C. & D. as the best investment I make during the year. I always look forward to the first post delivery on Saturday mornings when it is due to come." delivery on Saturday mornings, when it is due to come. J. D. (26/3).

"The C. & D. is an expert assistant both in selling and buying, and helps one to keep stock of all that counts in the drug-trade, and yet only requires salary once a year, which I have pleasure in enclosing herewith."—D. M.

(152/25). "Thunderstruck when no C. & D. arrived this morning; cannot possibly do without it. Please send this week's, as I am immensely delighted with correspondence on 'Profit on Proprietaries.' I am all in favour of face-value."—J. A.

(236/21).

"In The Chemist and Druggist we find a complete, though necessarily limited, news service, crisp and well-written articles on current business and professional topics, fair and evenly balanced reports of all chemists' meetings, and professional topics of the complete of the and above all a judiciously impartial publication of correspondents' views on subjects which require discussion at the moment."—Mr. Hugo Wolff.

#### Legal Oueries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Draggist Diary," 1917, beginning on page 353.

Nemo (100/63).—An unregistered person poisons a dog with prussic acid and receives payment for doing so: is he infringing the Pharmacy Act? [In our opinion this is not a sale of prussic acid.]

S. G. M. (93/67).—You should place your case in the hands of the Pharmaceutical Committee, who have authority to deal with the cases and submit doubtful ones to the arbitration of the Pharmaccutical Advisory Committee.

W. H. R. (75/46).—The increased duty on spirit requires to be paid by manufacturers, who then apply for repayment of the immature-spirit duty and the amount imposed by the Budget. The necessary forms have already been issued by the Board of Customs and Excise (C. & D., Kay 25, p. 44).

D. F. A. (98/16) asks whether a lease would be binding if it provides for the occupation of the premises by the tenant for "so long as the rent is regularly paid." [The term of a lease must be for a definite or ascertainable period; therefore the lease suggested by "D. F. A.," being for an unlimited term, would not be welfal. for an unlimited term, would not be valid.]

F. N. (96/21).—The Ministry of National Service has decided that unqualified chemists' assistants up to thirty-five are the only assistants in Grade II. that will be required at present to join up under the Military Service Acts. As you are qualified you will be exempt, but you should place your case in the hands of the Pharmaceutical Committee, because if the military authorities appear to insist upon you joining up that Committee can appeal to the Pharmaceutical Advisory Committee that has been set the Pharmaceutical Advisory Committee that has been set up at headquarters.

up at headquarters.

Masr (80/24).—British Pharmacopœia.—It is obligatory on chemists in Great Britain and Ireland to use the formulas of the British Pharmacopœia. Section 15 of the Pharmacy Act, 1368, and Section 30 of the Pharmacy Act (Ireland), 1875, make a chemist liable to a penalty of 5l. if ho cempounds "any medicines of the British Pharmacopæia except according to the formularies of the said Pharmacopæia," these words being inserted in the Pharmacy Act, 1268, at the instigation of the General Medical Council. It is enacted by the Medical Act, 1862, that "the British Pharmacopæia, when published, shall for all purposes be deemed to be substituted throughout Great Britian and Ireland for the several above-mentioned Pharmacopæias [these were the London, Edinburgh, and Dublin Pharmacopæias]; and any Act of Parliament, Order in Council, or custom relating to any such last-mentioned Pharmacopæias shall be deemed, after the publication of the British Pharmacopæia, to refer to such Pharmacopæia."

#### Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Alpha (89/28).—We do not know the composition of green sulphur." For agricultural purposes flowers of sulphur should be employed.

S. D. C. (27/5).—(1) TINCTURE OF OPIUM can be prepared of the correct morphine strength from extract of opium, but as the extract was made with an aqueous menstruum the extractive in the tincture would be different. There is no reason why you should not use up the extract for veterinary or other preparations. (2) We do not know the composition of the razor-blade liquid to which you refer.

F. G. M. (46/45).—Books.—The following answer your requirements: Physics.—Ganot's "Physics" (Longmans, 15s.). A smaller and popular edition is also published at 7s. 6d. Combustion and Fuels.—Brame's "Fuel, Solid and Gaseous" (E. Arnold); Brislee's "Introduction to the Study of Fuel" (Constable). Industrial Chemistry.—Thorpe's "Outlines of Industrial Chemistry" (Macmillan); Rogers's "Elements of Industrial Chemistry" (Constable, 12s. 6d.).

H. & Co. (92/8).—HERBAL TEA.—The tea you refer to is said to be a mixture of liverwort ( $Hepatica\ triloba$ ), triticum (Agropyrum repens), and senna, the last-named making up the bulk of the compound. R. H. (53/7).—The following is a list of the JOURNALS OF MICROSCOPY published in this country: "Quarterly Journal of Microscopical Science" (published by Churchill. 10s. 6d. per copy); "Journal of the Royal Microscopical Society" (Williams & Norgate, 57s. 6d. per annum); "Journal of Microscopy" (22 St. Bartholomew's Road, Reading, 5s. per annum) emmin)

Camul (21/5).—The plant you send which grows in patches in a field near you is Lithospermum arrense, or corn gromwell. The root yields a red dye, and on that account the plant is sometimes known as the painting plant. The word "lithospermum" refers to the hardness of the seeds which is chest textistic of the species is characteristic of the species.

Ajax (89/63).—The so-called BLOOD-WARTS should be seen by a doctor. It is not safe to prescribe for such conditions before a correct diagnosis has been made.

Tuber (93/6).—Sanatoria for Tuberculous Patients.—Insured persons are entitled to sanatorium treatment when suffering from tuberculosis, but as they have made contributions to health insurance it cannot be said that the treatment is free. A list of approved sanatoria is published by the Stationery Office (1d.), which gives the localities in which the sanatoria are situated; it states nothing about the payments, which naturally vary. You could, however, make inquiries from the institutions in your neighbourhood,

H. C. D. (95/23).—HERB-GROWING.—Teetgen's "Profitable Herb Growing and Collecting" ("Country Life," 3s. 6d.); "Cultivation of Medicinal Plants" (E. M. Holmes, Ruthven, Sevenoaks, 1s.). Plants and seed may be had from Mrs. Grigore Chelfort St. Pater Puels. Grieve, Chalfont St. Peter, Bucks.

H. H. (91/4).—Composition of Water.—Water can be decomposed into hydrogen and oxygen by electrolysis, the form of apparatus being figured in most works on chemistry. You do not say why your customer is making the inquiry, so that we cannot give you a complete answer. It is possible that water-gas is what your customer is desirous of preparing, as it is used in gas plants. The electrolytic process of decomposing water is not an economic method of making oxygen.

C. & S. (99/91).—OLEUM LITHANTRACIS is coal-tar.

G. A. C. (92/62).—ALCOHOL CONVERSION.—There is no simple rule for diluting alcohol to make various strengths, because of the anomaly of contraction which varies with the quantity of alcohol employed. Mr. F. C. J. Bird some years ago worked out a table ("Year-book," 1904) from which the following is taken: To make 1 gal. of spirit of the following strengths use. of the following strengths use-

Alcohol 90 p.c. (58 o.p.)	Water	Official Alcohol
124 § oz.	38 oz.	70 p.c.
1063 oz.	571 oz.	60 p.c.
804 oz.	841 oz.	45 p.c.
358 oz.	1262 oz.	20 p.c.

G. E. N. (96/20).—USES OF CAUSTIC SODA.—Soap-makers are the largest users of caustic soda, but the large percentage of sulphite in the crude substance you have may make it unsuited for the purpose. Caustic soda is required also in the manufacture of paper pulp and in mercerising cotton. We should think also that the sodium sulphite would be unobjectionable in these manufactures. Makers of bottle-glass use crude alkali salts such as that you refer to, and here again the sulphite does not seem to us to be undesirable.

#### Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1868

The Pharmacy Bill.

The Bill to regulate the sale of poisons, and alter and amend the Pharmacy Act of 1852, has been introduced to the House of Lords by Earl Granville, and read twice without a sign of opposition. The proposed legislation which we have so long advocated is, therefore, under the consideration of Parliament, and is happily associated with the name of one of our staunchest champions of education. We trust that the progress of the Bill through Parliament may not be interrupted by events affecting the regular course of public business, and that the hopes of those who have so steadily laboured to elevate the calling of chemists and druggists may be realised during the present session.

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A Quinine Salt of Hectine. Pro-phylactive and Curative for Hay Fever, Rhinitis, Influenza. In Tahlets.

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Stannoxyl is a scientific product, the effect of which, on diseases arising from Staphylococcus, has been watched very carefully, the results obtained have proved its superiority to any other remedy, not only in efficacy but also that it does not set up any intestinal troubles, such as

is the result of most other remedies.

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Relapses are unknown.

March 1918.

"Gentlemen,—I have not found anything to equal Stannoxyl in the treatment of Acne Vulgaris. In the cases I have used it, the results have been excellent. I have tried it in a few cases of Skin infection with encouraging results.

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----- F.R.C.S."

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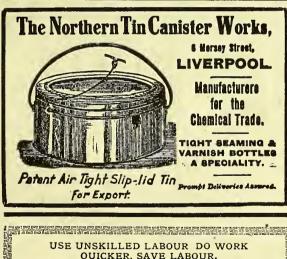
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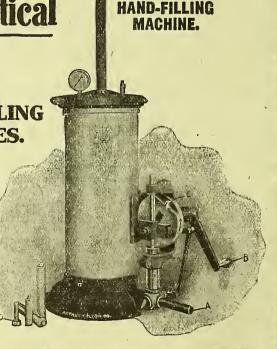
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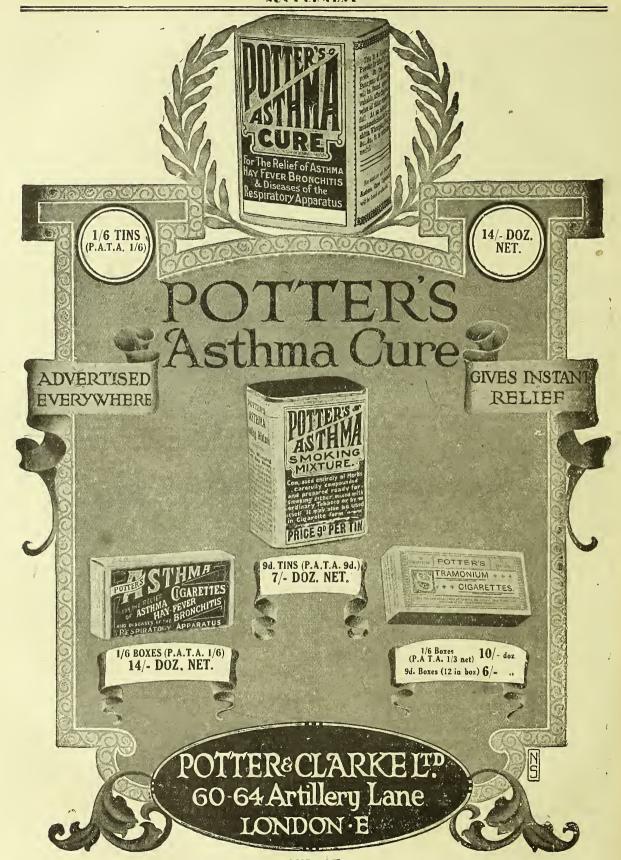
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8 \TURDAY, JUNE 15, 1918.

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£90 book debts, £750; part payment.

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small residence; rent of stock and fixtures.

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I ONDON, E.—Wanted, qualified Manager for branch shop; hours 9 a.m. to 8 p.m., one half-day and one whole day alternate weeks, duty alternate Sundays. Apply, stating full particulars, Nobles, 2 Well Street, Cable Street, E. 1.

DONDON, E.—Qualified Assistant for Dispensing; good Counterman, etc.; outdoors; ineligible for military service; permanency; salary £5 10s. weekly. Please give references, age, etc., to 'Retail' (172/32), Office of this Paper.

LONDON, N.W.—Qualified Manager; casy business and every comfort for good man; £4 10s. per week. Apply 171/8, Office of this Paper.

DONDON, N.W.—Qualified Assistant wanted for Dispensing business; man or woman; furnished house; suit invalid discharged soldier, or lady with parent who would reside with her. P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W. 6.

L ONDON, S.W.—Assistant; qualified preferred; experienced, oapable of taking charge; duties light; no N.H.I.; Sundays free. Send full particulars to 102/51. Office of this Paper.

LONDON, S.W.—Good opening for an unqualified Assistant; capable Dispenser and Counterman; permanency; excellent prospects. State age, whether married, and salary required, "K. R." (171/17), Office of this Paper.

ONDON, S.W.—Marshall & Co., 93 Streatham Hill, S.W. 2, have vacancy for a lady Assistant; outdoors; an accurate Dispenser, and to assist at Counter and Stock; hours 9 to 7, Saturdays 8, Wednesdays 1. Please give full particulars of experience, when disengaged, and salary required.

LONDON, S.W.-Part-time Assistant wanted; three afternoons and evenings weekly. Bessell, 13 Belle Vue Road, Wandsworth Common, S.W. 17.

I ONDON, W.—Wanted (at once), lady Assistant for Dispensing and Counter duties; must be quick and accurate Dispenser, and have had previous experience in good Chemist; hours 9 to 6, Saturdays 1 o'clock. Apply, with particulars and experience, and salary required, to Hospitals and General Contracts Co., Ltd., 19 to 35 Mortimer Street, W.

Manchester.—Assistant wanted for good-class Retail and Dispensing business. Full particulars to J. S. Breese, Pharmaceutical Chemist, Rusholme.

MANCHESTER.—Wanted, a Junior Assistant; male or female; outdoors. Bates, Chemist, Brooks's Bar

MANCHESTER DISTRICT.—Elderly qualified Chemist required; duties light; comfortable position. State age, references, and salary required to 168/35, Office of this Paper.

MANCHESTER ROYAL INFIRMARY.—Pharmacist (Assistant) required immediately. Apply, giving full particulars in the first instance regarding age, salary required, qualifications, etc., together with copies of recent testimonials, to the General Superintendent.

NEAR MANCHESTER.—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 171/28, Office of this Paper.

NORTH LONSDALE HOSPITAL, BARROW-IN-FURNESS.—Wanted (immediately) for the duration of the war, experienced lady Bookkeeper. Applications, stating age, qualifications and salary required, and accompanied by copies of three recent testimonials, to be sent to the Secretary.

SHEFFIELD.—Lady or ineligible gentleman (qualified preferred) for Light Retail and Dispensing business. Apply, with full particulars, age, experience, salary, etc., to 173/32, Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

OUTHSEA.—Wanted, lady Assistant, with knowledge of Dispensing. Please, state experience (outdoors), enclose photo if convenient, to T. A. White, Elm Grove Pharmacy, Southsea.

TORQUAY.—Junior Assistant (ineligible) for high-class Retail and Dispensing business; in- or out-doors. Apply, stating age and salary required, to H. F. Bourne, 11 Strand, Torquay.

WEST RIDING.—Wanted (immediately), qualified Assistant, ineligible, for general and cash business; easy hours, no Sunday work. State age and full particulars and references, 160/40, Office of this Paper.

A UGUST.—Wanted, experienced lady Assistant; good Dispenser and general knowledge; easy hours; outdoors; two kept; Midland market town; good-class Dispensing and Light Retail. Salary, photo, ctc., to 173/35, Office of this Paper.

A SSISTANT wanted (almost immediately) in good-glass business; alone with some general experience; hours very easy. State salary, references, and photo (promptly returned), Nicholls, Pharmacist, Chelmsford.

A SSISTANT wanted, male or female, for Dispensing; if female, Hall qualification. State full particulars, salary required, etc., in first letter, outdoors, etc., if possible, Perrett, Chemist, Bexhill-on-Sea.

A SSISTANT (young Lady or Gentleman) wanted for Counter and stock; usual hours and weekly half-holiday; state experience and salary required. Apply to Messrs. Prosser Roberts Co., Pharmaceutical chemists, 13 Church Street, Camberwell, London, S.E. 5.

A SSISTANCE wanted four evenings a week; Dispensing and Stock. Central Pharmacy, 811 Fulham Road, Fulham, S.W. 6.

A SSISTANT; Minor qualification; discharged or ineligible; hours 8.30 to 6.30, Saturday 1 o'clock. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191/217 Finchley Road, N.W.

A SSISTANT; whole or part time; in- or out-doors. Apply personally, or write, giving full particulars, Buddles, 46 Churton Street, S.W. 1.

CHEMIST; unqualified; rejected or discharged from the Army; must have good references. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

COUNTRY; 30 miles from London, near station; lady or gentleman (ineligible); outdoors; no night nor Sunday duty; best references; age, height, and salary required. "C. S." (160/21), Office of this Paper.

CURTIS & CO. have vacancy for Assistant not cligible for the Army. Apply to W. G. Jameson, c/o Curtis & Co., 48 Baker Street, W. 1.

DISPENSER, unqualified, required for three months; ledy or gentleman. Apply, giving full particulars of experience, also salary required, to Mr. Reid, 2 Queen Street, Excter.

DISPENSING Assistant (qualified or unqualified); ineligible for Army; outdoors; permanency; hours 8 to 6. Write, giving fullest details of experience, references, and salary, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

EVENING assistance wanted, three or four evenings a week, from 5 to 8; W.C. district. Reply, stating terms, "J." (174/34), Office of this Paper.

EXCEPTIONAL opportunity for a smart and active man to manage Branch (penny tram from Liverpool centre); qualification not essential; good results will receive the right kind of encouragement; please give full particulars as to experience, age, salary required, and, if possible, enclose photo (returnable). Apply 172/29, Office of this Paper.

JUNIOR Assistant wanted for seaside business; Dispensing, with knowledge of Photography. State usual particulars, with references and salary required, to Holman, Ham & Co., Ltd., Market Street, Exeter.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

LADY Assistant; competent Counter hand and Dispenser; permanency; progressive salary; Midlands. "L. A. M." (171/172), Office of this Paper.

LADY Assistant; London; experienced Dispenser and capable at the Counter; permanent position. State age, salary required, and when at liberty, "L. A. L." (171/174), Office of this Paper.

L ADY Assistant; Yorks, West Riding; comfortable permanency for capable young lady who has had some experience in Dispensing and Counter work. "L. A. Y." (171/173), Office of this Paper.

ADY Assistant, Minor qualification, chiefly for Dispensing; short hours, Saturday half-day. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

LOCUM Assistant wanted, qualified or otherwise, for six or eight weeks; good salary offered; outdoors. Please state usual references, experience, and salary required, Ralph Cuthbert, Ltd., Chemists, Huddersfield.

OCUM required for General Retail for two weeks, commencing July 15th; hours 9 a.m. to 8 p.m., 9 p.m. Saturdays, no Sunday duty. State age, salary required, and references, Reade, Bros & Co., Ltd., Wolverhampton.

LOCUM wanted for two months from July 1st. Apply, stating terms, etc. (indoors), to Fowle, Chemist, Holbeach, Lincs.

L OCUM; lady or gentleman; ten days or fortnight; very light duty; lady Assistant kept. Particulars when at liberty to Bathurst, Woburn Sands, Beds.

OCUM Tenens wanted for two or three months for Poor-Law Infirmary; must be qualified and experienced; hours 9.30 to 1.30, no Sunday. Usual particulars and salary required to "R.," 23 Stamford Brook Road, W. 6.

MANAGER wanted for London suburb; permanency; salary £5 weekly; man of ability could make more; at once; good reference required. Full particulars, "North" (171/14), Office of this Paper.

MANAGER, qualified or unqualified, wanted. State age, salary required, and give recent references, Griffiths, Kidsgrove,

MANAGER, qualified Locum, for one, two, three, or five weeks, together or separate, during July, August, or September; middle-class Retail and Light Dispensing. Goodall, Pharmacist, 66 Lower Riehmond Road, Putncy.

MANAGER required for West-End branch; high-class business; must be either over military age or Grade 2, or below; outdoors; no Sunday duty; light hours. Apply, with full particulars, to 172/38, Office of this Paper.

MESSES. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Manager wanted (end of month); abstainer preferred. Send references, also photo and state salary required, to Cooling, 103 Victoria Street, Grimsby.

QUALIFIED Manager wanted for Branch; ineligible, or fully qualified lady. Apply, with full particulars, age, experience, solary required, etc., photo if possible, to W. T. Hicks & Co., 28. Duke Street, Cardiff.

QUALIFIED Assistant (ineligible) wanted in a West-End business; outdoors. Apply by letter to S. W. Ord, 3 Hanover Street, W. 1.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (171/171), Office of this Paper.

QUALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (171/170), Office of this Paper.

QUALIFIED Branch Manager wanted; good experience of management and knowledge of photography; must be ineligible for military service; references must bear strictest investigation; good salary and commission to good man. Apply 170/38, Office of this Paper.

QUALIFIED Assistant wanted; Sheffield. Apply 101/25, Office of this Paper.

QUALIFIED Manager for branch; ontdoors. Send usual particulars to Matthew & Son, Chemists, 722 High Road,

QUALIFIED Assistant Manager for good-class Family and Dispensing business (N.H.I.) end of June; outdoors preferred. References, etc., 172/27, Office of this Paper.

QUALIFIED Manager wanted, about 35, for good-class Family and Dispensing business, with Photography. Apply, with full particulars of experience and salary required (outdoors), to R. C. Harrison, Ph.C., Grayshott, Hindhead.

QUALIFIED Manager for Branch in industrial and mining village three miles from Wrexham; roomy house; commission; close to beautiful country; healthy, bracing spot; permanency. L. Rowland & Co., Wrexham.

REGISTERED or qualified gentleman, wishing to augment small income, can have comfortable permanency in oldestablished N. Drug Stores: no laborious duties, very short hours; pleasant, healthy neighbourhood. Particulars, Smith, 20 Calabria Road, Highbury, N.

REQUIRED, intelligent young lady as Improver, to assist in the Dispensing and Bookkeeping of a first-class country practice; some knowledge of dutics desirable, but not essential; nice locality and short hours. Particulars and salary required, and photo if convenient, to G. B. C., 1 Broad Street, Wokingham, Berks.

PEQUIRED, lady Assistant; accustomed to weighing and wrapping Powders; hours of work approximately 8.45 to 6 o'clock, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience, age, and salary required to the Manager, Drug Department, 105 Victoria Street, S.W. 1 REQUIRED, lady Counter Assistants, with experience in the selling of Perfumery and Druggist Sundries in ordinary demand; smart appearance; hours of work 8.45 to 6 o'clock, 1 o'clock Saturdays. Apply, stating full particulars of past experience and salary required, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

SAVORY & MOORE have a vacancy for Dispenser; male or female; good experience necessary. Write, giving full particulars, with salary required, to Manager, 143 New Bond Street, W. 1.

TEMPORARY Assistant required for six weeks; qualification not necessary; good-class business; outdoors. Please apply to Phillips, Chemist, Wolverhampton.

TEMPORARY assistance for month or two required immediately; elderly Pharmacist; lady or ineligible; reliable Dispenser and Retail experience. State age, experience, salary required (outdoors), and references, to G. H. Gare, Pharmaceutical Chemist, Lymington, Hants.

UNQUALIFIED (at once), over military age, or young lady, for help in good-class Retail, etc.; outdoors. Pharmacist, 176 High Street, Hounslow.

WANTED, Assistant to live over shop; easy hours; light duties; qualification not essential. Walwin, Chemist, Gloucester.

WANTED (urgently), a Junior Assistant, ineligible or disno Sunday work. Apply Davy, Chemist, 30 High Street, Rotherham.

WANTED, permanent qualified Assistant in a City Pharmacy; good references; state salary. Apply 151/26, Office of this Paper.

WANTED, Assistant; outdoors; for two or three months. Apply, stating age, salary required, and give references, 172/18, Office of this Paper.

WANTED, help for a fortnight. Write, with usual particulars and terms, to Leverett & Frye, Ltd., North Finchley, N. 12.

WANTED, lady Dispenser; one accustomed to the details of a Chemist's business preferred. Apply by letter, enclosing photo, to H. T. Escritt, 8 Acre Lane, Brixton.

WANTED, qualified Locum (immediately) during illness of Manager; lady or gentleman. State salary expected and give references, Prossers, Ltd., 5 Bolton Road, Walkden, Manchester.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, competent and reliable Assistant, lady or gentleman, for good-class Retail country business; liberal salary. Applications, giving full particulars as to age, qualifications, experience, and wages required, with copies of recent testimonials, to C. Bayley, Pharmacist, Uppingham, Rutland.

WANTED, an elderly qualified man to conduct a widow's business with the help of an Assistant; very light duties, comfortable home, and nominal salary; Churchman preferred. Apply 170/33, Office of this Paper.

YOUNG lady Dispenser, with Counter experience, required for Highgate district; must have Apothecaries' Hall qualification. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

#### WHOLESALE.

MANCHESTER.—Chemist (ineligible) in an Essence Laboratory. Apply, with full particulars as to qualifications, experience, and salary required, to 100/72, Office of this Paper.

A GENTLEMAN about 35, ineligible, with thorough knowledge of Wholesale Drug trade both in office and warehouse, to fill important post in London Wholesale Druggists; must have had experience in management of warehouse staff; good salary, with prospects for energetic and capable man. Apply, with full particulars, to 101/57, Office of this Paper.

A MANCHESTER firm of Hairdressers' Sundriesmen require young women for packing Tollet preparations, and capable of taking charge of the department, and one (or two) Assistants; must have a thorough knowledge of mixing, filtering, filling, and labelling liquid Toilet preparations, and willing to take any duties in the department; cleanliness essential; good wage and permanency. State fully (or no notice taken), age, previous employment, and experieuce, reasons for leaving, salary required, and when at liberty, in confidence, 101/50, Office of this Paper.

HEAD WAREHOUSEMAN wanted (incligible) for Despatch and Packing Department of Drug and Spice Grinders; experience in similar business preferred, but not essential. Apply, with full particulars of age, experience, and salary required, to Cramptons, 357 Deansgate, Manchester.

INVOICE Clerk (male or female) wanted at once; must have had experience in the Wholesale; state wages and experience. Apply 171/40, Office of this Paper.

LABORATORY Assistant for manufacture of Toilet preparations; must have a good elementary knowledge of the Drug trade, and be ineligible for H.M. Services. Write, stating age, experience (if enyl), and salary required, to Box -486, e/o Mitchell's Advertising Agency, 1/2 Snow Hill, E.C. 1.

LABORATORY Assistant required; would suit Chemist's Assistant or Dispenser. Cuxsou, Gerrard & Co., Ltd., Oldbury.

WANTED (at once), an Assistant; experienced in the making of B.P.C. and similar preparations. Apply The British Drug Houses, Ltd., 22/30 Graham Street, City Road, London, N. 1.

WANTED (immediately), smart and energetic Packer for post orders; good salary and commission. Manrieve, 42 Oxford Street, W.

Wanted (at once) by Birmingham Wholesale Chemist, Managing Assistant (qualified preferred); must be discharged or exempt from Army; state salary, and experience in buying and compounding for Wholesale trade; easy hours, no Sunday duty; comfortable and permanent position, with prospects. Apply 170/28, Office of this Paper.

WANTED, Tablet Makers, who are willing to make good quantities weekly. Write to 171/19, Office of this Paper.

WANTED, a man with a good practical knowledge of Truss Fitting, to take charge of a London depôt; excellent opening for a capable man of good address. State experience, age, and salary required, 100/4, Office of this Paper.

WANTED for provincial Wholesale house, qualified man to take charge of Packed Goods department; must be ineligible for Army or discharged; state fully experience, salary required, age, and enclose copies of testimonials; permanency, with good prospects to right man. Apply 163/19, Office of this Paper.

WANTED (at once) by London Wholesale firm, Drug Checker (male or female); also Wet Counter hand; permanent positions. Apply 171/400, Office of this Paper.

WET COUNTER.—First Hand wanted; a man with Retail experience only entertained; permanent situation. Apply, stating age, experience, and wages required, to Secretary, General Apotheoaries' Company, 49 Berners Street, W. 1.

WHOLESALE Chemical Firm require Assistant for Weighing and putting up Chemicals; previous experience desirable; permanent situation. Apply to Griffin's, Kemble Street, Kingsway, or write, stating age, previous experience, and wages required.

#### SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

#### [HOME.]

#### RETAIL.

A lady Dispenser, accustomed to London practice (not panel), with some Hospital experience, seeks post in London; easy distance of Golders Green Tube preferred; Apothecaries' certificate, 1908; 7½ years' references. Please state hours, "Dispenser," 60 King's Road, Kingston-on-Thames. (Shortly in London.)

A DVERTISER seeks part-time situation; studying for the Miuor; good references; Manchester district preferred. Apply 171/9, Office of this Paper.

AS Locum; July 11th to 24th inclusive; qualified; abstainer; excellent references. State terms, 171/2, Office of this

As Locum or permanency; age 47; excellent references; all-round experience. Apply 173/36, Office of this Paper.

AS Manager, view to succession, qualified, seeks permanency; Midlands or seaside preferred; Army discharged; excellent references; salary. Full particulars, in confidence, to 172/25, Office of this Paper.

CHEMIST, ineligible, of good appearance and address, 15 years' all-round experience, desires management of good-class Pharmacy or other responsible position; initiative and organising abilities; good salary essential. Apply 174/27, Office of this Paper.

COMPETENT Assistant; 29; unqualified; experienced Dispenser, Counter, and Prescribing; capable sole charge; ineligible; married. Salary, hours, etc., to Wakenham, St. Edmunds, Potter's Bar Road, New Barnet.

DISPENSER, Doctor's or Druggist's; disengaged immediately; experienced; ineligible. "C. S.," o/o Wyatt, 58 Gipsy Hill,

DISENGAGED; Chemist's or Drug Stores requiring qualified help or supervision, elderly gentleman places his services at their disposal. "M.P.S.," 71 Belmont Road, Bishopston, Bristol.

DISPENSER (lady), experienced, excellent testimonials, desires post; Dorset, Somerset, or near; would take locums. B. M., '14 Sydenham Park, Sydenham, London, S.E.

DISPENSER (lady) desires post with Doctor. Please state hours and salary, "Lactose" (173/39), Office of this Paper.

HAS any Pharmacist, North or West of London, 1550 miles out, vacancy for thoroughly reliable, qualified, part-time Assistant, married, to live over shop in unfurnished rooms; assist evenings in relief work; 'Accounts, Stock, Photographic; permanency; suit elderly Pharmacist semi-retiring. Apply 172/35, Office of this Paper.

HOSPITAL Locum; qualified; excellent experience; abstainer. "Pharmacist," c/o Bradburn, 18 Queenh.the, E.C.

LADY Dispenser, Hall qualifications, desires post, Institution or Doctor preferred, in Wales or North Country. Owen, 29 Dinorwic Street, Caruarvon.

ADY Dispenser (24), unqualified, eight years' experience in Dispensing, Photographic, and Counter work, desires post. State hours and salary, etc., 169/25, Office of this Paper.

L ADY Dispenser, Hall certificate, requires post (not Chemist). Apply Allanson, 1 Church Cottages, Pyecombe, Sussex.

L ADY Dispenser (Hall) requires fortnight's Locum from July 3; Doctor or Institution; coast or country preferred; excellent testimonials. Apply 173/28, Office of this Paper.

LADY Dispenser, pharmaceutical qualification and gold medallist, seeks post Surrey or Sussex; Doctor or Institution; eight years' experience; keen, careful, methodical; excellent testimonials; interview. "Hanna," Green End House, Boxmoor, Herts.

LADY Dispenser, Hall qualification, seeks post; North London preferred. Apply "Alpha" (169/26), Office of this Paper,

LADY Dispenser, Hall qualification, 5 years' Chemist, 2½ years' Institution, seeks quick engagement with Doctor, Institution (preferred), or Chemist in Yorks, West Riding; highest references. "Statim," 3 Ellison Terrace, Clifton Green, York.

ADY, experience Dispensing and Counter, desires post. "S.,". 3 Letterston Road, Fulham.

LADY Dispenser-Bookkeeper, Hall qualified, desires post with Doctor; near London preferred; excellent references. Miss Lukin, "The Rest," Brockenhurst; Hants.

LADY Dispenser, Hall qualification, requires Locum work; Hospital preferred. Apply 173/25, Office of this Paper.

OCUM; competent all branches; 41½; married; unregistered; highest references; N.H.I. qualification; conditional exemption; Grade III.; vacant July 15th to August 10th, August 19th to 24th; dates inclusive. "Statim," 135 Queen Street, Newton Heath, Manchester.

L OCUM Dispenser; experienced; Hall; disengaged after July 1st.
Miss Saul, 129 High Street, Brentwood, Essex.

LOCUM; 50; disengaged; experienced and reliable; provinces of the preferred; highest references; forward bookings. "Chemicus" (173/34), Office of this Paper.

MANAGER or Senior (unqualified) at liberty July 1st; age 46; height 5 ft. 10 in.; good general experience. 'Gregory, 11 Market Street, Tredegar, Monmouth.

MANAGER or Locum; unregistered; 43; Grade III.; good experience; successful in own business, Chemist and Dentist. H. F. Rawcliffe, London Road, East Grinstead, Sussex.

MANAGER or Senior; unqualified; good experience, disengaged; married; no family. Chemist, 10 New Street,

MANAGER; qualified; town or country; all-round experience; Photography, Agricultural. State salary and hours (over military age), 173/11, Office of this Paper.

MANAGER, Minor, over military age, slightly lame result of accident, wants quiet situation; country preferred. "G." (173/20), Office of this Paper.

MANAGER; Senior; experienced; references. State salary, 173/6, Office of this Paper.

## in cases of 2 Cwt. each, pure CASTILLE SOAP, 64 %

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Immediate Delivery.

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PH.C. requires three or four weeks Locum work after August 7th, in a coastal town. Advertiser has been in business ou his own account for ten years, and in addition to having a good general knowledge is a capable Dental Operator. Apply, stating terms, 102/62, Office of this Paper.

PERMANENCY; Senior (Managing) Dispensing Assistant; unqualified; married; three years' resident; Photographics, Buying, Window-dressing; 25; Grade 3; duties and best terms. "Homeo" (170/36), Office of this Paper.

QUALIFIED Manager or responsible position; over military age; active and up to date; excellent references and experience; Yorks preferred. Apply 171/11, Office of this Paper.

UALIFIED, elderly, active, desires change; Manchester Stockport district preferred; strictly temperate. Ap 172/26, Office of this Paper.

RELIABLE; unqualified; middle-aged; all-round experience; discharged R.A.M.C.; Manager or otherwise; country preferred. "Beta," 152 Sheringham Avenue, Manor Park, E. 12.

m R ELIEF; two or three days weekly; qualified; 45. Pharmacist, 9 Claverton Street, S.W.

ORQUAY DISTRICT.—Locum; Assistant, good; experienced Chemist, Dentist. "Abstainer" (170/25), Office of this Paper.

UNQUALIFIED, 32, C3, seeks situation in Lancashire or Yorkshire; at liberty 1st July. Apply "Rodney" (171/6), Office of this Paper.

U NQUALIFIED lady desires post as Dispenser after July 1st G. Crabtree, "Glencoe," Edge Lane, Stretford, Manchester.

UNQUALIFIED; 24; all-round good-class experience; disengaged; provincial. State salary offered and hours, 172/34, Office of this Paper.

YOUNG lady requires position as Assistant Dispenser. Apply 174/35, Office of this Paper.

#### WHOLESALE.

EDUCATED man, over service age, shortly disengaged; experienced manufacturing Toilet preparations, Proprietary Medicines, Dispensing. Please state salary offered, 169/23, Office of this Paper.

CENTLEMAN, young, ineligible, thorough knowledge Drug trade, wishes to represent well-known house. Cox, 26 Magdalen Road, St. Leonards-on-Sea.

GENTLEMAN, first-class connection London and suburdesires to represent good house in any branch; tempor or permanent; ineligible. Apply 174/24, Office of this Paper.

ADY, well educated, capable, age 30, daughter of well-known brug Representative, desirous of representing suitable Proprietary house; highest references. Apply 170/39, Office of this Paper.

ADY Shorthand Typist, two years' experience Chemical trade, knowledge of languages, reliable, seeks position in first-class Chemical business. Apply 102/67, Office of this Paper.

POST required in Wholesale firm by Medical man's daughter; Hall qualification; has had some experience as Traveller. Miss Balding, 108 Elgin Crescent, W. 11.

RELIABLE Representative seeks permanency; whole time; live connection, particularly South Coast. Address "Fidelity" (171/39), Office of this Paper.

TRAVELLER, with old-established sound connection, Drugs and Sundries, Midlands and North of England, all Ireland, North Wales, Chemists, Doctors, and Veterinary Surgeons, desires appointment. Frank Shaw, 5 Addison Road, King's Heath, appointment. Birmingham.

TRAVELLER, 20 years on road, unique connection South Scotland, North England, Laneashire, North Wales, and Ireland, desires engagement or commissions; excellent references. 173/22, Office of this Paper.

#### SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1a. for 12 words or less; 6d. for every 10 words beyond, prepaid.
The Advertiser may, if preferred, have replies addressed to this
Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

TALIE.—Pharmacien Anglais cherche place en Florence. Apply 173/2, Office of this Paper.

QUALIFIED Chemist (33), ineligible, home and Continental experience in management, excellent references, seeks posi-tion South of France or Italy. Address "Chemist," 3 Rue de Blainville, Paris, Sième.

## 8/6

#### Jay Mack's Ledger 10/6

VERY
FEW.

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Shares for Sale (free of commission, subject).—44 Brunner
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Southern 6% B Prefs., 20s.; 50 6% C Prefs., 19s. 9d.; 10
Camwal £50 4½% Debentures £34 cach, 59 Ord. 6d. 16 Prefs.
5s. 3d.; 150 Hford Ord., 15s. 10½d.; 40 6% Prefs., 16s. 10½d.;
714 Idris A 6% Prefs., 4s. 10½d.; 30 United Indigo Ord.,
7s. 1½d.; 250 Alien & Hanbury C 6% Prefs. at 20s. 3d.
Wanted (subject).—100 W. J. Bush Prefs., 70s.; 150 J. Crosfield
6% Prefs., 20s. 4½d.; 100 Evans Lescher Prefs., 16s.; £500 Idris
Debs. 56%; 100 Wright Layman Prefs., 19s. 3d.
Every effort made to effect business for Buyers and Sellers in
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A QUANTITY of second-hand Tins for Sale as follows: 250 square Glycerine Tins, 5 gallons; also a number of square and round Tins varying in capacity from ½ to 3 gallons; also a number of Broken Tins about the size of 100 oz. Quinine Tins, in clean, bright condition, suitable for cutting up for making other size of Annly 98/29 Office of this Paper. other sizes, etc. Apply 98/29, Office of this Paper.

A BOUT 50,000 Saccharin Tablets (overstocked), ½ gr. 330, 22s. 6d. 1,000, 10,000 at 21s. 6d.; registered post free. Frances, 341 Stratford Road, Birmingham.

FOR Sale, 2 cwt. Quilla Bark, 20 lb. Spike Lavender, 8 lb. Oil of Mace (expressed), 3 cwt. Japanese Gelatine, 3 Leads Aniseed Oil. Reply 99/67, Office of this Paper.

PROM 200 to 300 gross Bottles of original, attractive, and registered design; well adapted for sauces, lotions, cordials, etc.; half-litre and quarter-litre capacity mould and all rights included. Apply Burton, c/o Schweppes, Ltd., Vauxhall Walk, Kennington, S.E.

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SECOND-HAND CHEMISTS' FITTINGS.—We have an exception-ally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call cr write, RUDDUCK & CO., 262 Old Street, London, E.C.

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8 OZ. Phenacetin, 178.; 1,000 Aspirin Tablets, 13s. 6d.; Acid Salicylio, 2 lb., 12s. 6d.; 1,000 Parke, Davis & Co. Tab. Calonnel, gr. v., 14s. 6d.; ditto, Cascara Sagrado, gr. v., 17s. 6d.; 1 oz. Heroin Hydrochlor., 38s.; 4 oz. Citro Phenol, 9s. 6d.; 3 oz. Quin. Hydrobrom., 13s.; 3 100 Tabloid Sulphonal, gr. v., 19s., paid. Forryan, 40 Duncan Road, Leicester.

"GEM" patent pure Water Still; perfect condition; price 35%. Andrade, 19 Russell Street, Plymouth.

FOR Sale, Pindar's Rotary Pill Maker, with Piping Machine; makes 2½ or 3 gr. pill. R., 105 Church Street, Croydon.

FOR Sale, Water-bed and Air-ring; three weeks' use; cost together £10 when new; no infection; reasonable offer accepted. R. Wells, King's Vale Farm, New Oscott, near Birmingham.

WHAT offers? Leiter's Coil for Hot and Cold Compresses, 172-5-gr. Helmitol Tablets, 4 × 100 Trional Tablets, gr. v. 4-6 oz. Lin. Analgesic. Oppenheimer, 6 oz. Bals. Peru. Smithsons, Ltd., Dispensing Chemists, Preston Circus, Brighton.

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ODAMS' Fluid Sheep Dip. Wiggin, Chemist, Ipswich. GLYCERINE; 5s. per lb. offered. Apply 174/30, Office of this

Paper. FLAT Gilt Tin Boxes; 1 oz. and ½ oz. Apply 174/29, Office of

this Paper.
TRANSPARENT Envelopes; 3 in. by 4. Apply 174/290, Office of this Paper.
ONE dozen Kissingen Water (Racoksy). Dolbear & Goodall, 108

High Street, Oxford.
PRISM Monocular Field Glass. State make, magnification, and price to 172/17, Office of this Paper.

SPEARMINT Oil. State quantity to offer and price to Jonathan Edmondson & Co., Ltd., Fox Street, Liverpool.

SPECTACLES, Eyeglasses, Lenses in large or small quantities. Particulars to Smith, Optician, 12a Lower Hillgate, Stockport: DIOXOGEN, any sizes; Health Salt, Saline; Citraté Magnesia, Bromo, Cascara Evacuant, Vinolia Salts, Cold Cream, Boracic Soap, Lavender ditto, for cash. Roper, Dunmow, Essex.

WANTED, Soda Fountain; any size; good condition. Reply Box 164/17, Office of this Paper.

TABLET Machine wanted for § inch tablets if possible; "Eurcka"; state price. Apply 78/46. Office of this Paper.

TINS to hold anything between 6 and 16 oz.; flat shape preferred. Floyd, 75 Cambridge Street, Glasgow.

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Machinery also wanted. Particulars to 78/58, Office of this Paper.

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and price for cash. Apply "X." (172/10), Office of this Paper.

ARSENIC, impure, wanted; large or small lots. Quote price, Butcher, Curnow & Co., Ltd., Blackheath.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

PTHOAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.

SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

DRAWERS, suitable for wholesale flower seed warehouse; secondhand if sound. Please state particulars as to size and price to 94/61, Office of this Paper.

SPECTACLE Lenses, Glazed Spectacles, any kind; Gold-filled Spectacle and Eyeglass Frames, Artificial Eyes and Barometers. State quantity, condition, price, etc., Hebditch, "Parkholme," Christchurch Road, Doncaster.

4 OZ. Insect Powder Tins. State quantity and price, with sample. Also Tins holding from 5 oz. to-1 lb., and small Ointment Tins in any quantity. Harrison, Manufacturing Chemist, Reading.

ROLL Films (retail price given for fresh V.P.K., No. 2 Brownie; 1 J. & 2!" B. Ensign); Cameras, new or second-hand, and Photographic Sundries. Particulars and Prices to Bishop & Vincent, 460 Holloway Road, Lendon, N.

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The prices announced below will come in force as from the date of this issue :-

Advertised Price.		Wholesale
1/10 2/6 4/9 7/- 9/3 7/6 14/6 28/6 56/6 27/-	779 Large Wicker 28/6 780 Magnum Wicker 56/6 840 Round Cut Glass,	Price.  17/- 23/8 42/8 62/- 83/- 70/- 134/- 252/- 504/- 240/-
1/10 3 3 5/- 9/6	0. E. Lavender Water:—  655 1½ oz. Sprinkler Flask 1/10  607 2 3/3  603 3½ 5/-  610 7 9/6	7/252 - 1/042 9/25 - 1/7 - 1/7
6/6 6/6	512 , Freesia Perfume 6/6 515 , April Violet	57/- Fess 5
6/6	Perfume 6/6 Enchantress	
• 6/6	Perfume 6/6 Nell Gywnne Perfume 6/6	57/ <del>-</del>
7/6	Perfume 6/6 700 ,, Caprice du Monde Perfume 7/6	64/-
7/6	722 ,, Golden Wattle Perfume 7/6	64/-

Note.—The prices of other sizes of Eau de Cologne, &c., will be found in June "Anti-cutting Record."

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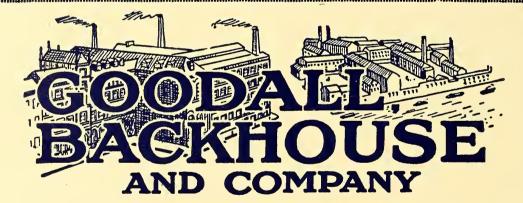
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